Samsung GALAXY S5

4 G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

SAMSUNG

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.
- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

Phone Health/Safety and Warranty Guide

The online version of the Health/Safety and Warranty guide for your device can be found at:

English: http://www.samsung.com/us/Legal/Phone_HSGuide

Spanish: http://www.samsung.com/us/Legal/Phone_HSGuide_SP

Location of Legal Information on the Device:

Health and Safety Information

- Settings ➔ About device ➔ Legal information ➔ Samsung legal ➔ Health and Safety

Warranty

- Settings ➔ About device ➔ Legal information ➔ Samsung legal ➔ Warranty

EULA

- Settings ➔ About device ➔ Legal information ➔ Samsung legal ➔ End User License Agreement

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Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone.

2. Lift the cover up and to the right of the phone.

Caution! Do not remove the rubber seal from the inside of the back cover. Doing so can cause water damage to the device if it gets wet.

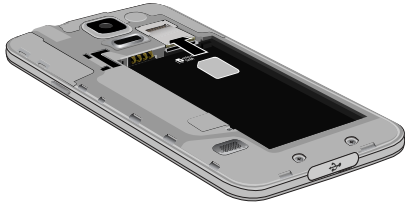
Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

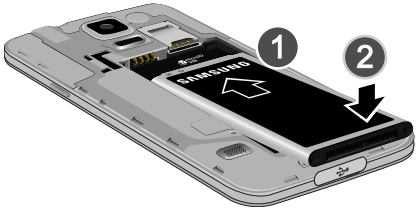
- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
- Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.



Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align.
2. Gently press down to secure the battery.



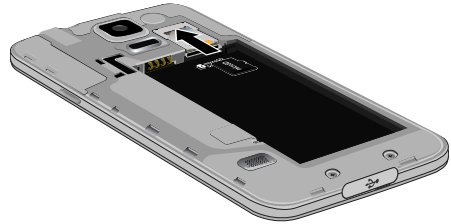
Removing and Installing the Memory Card

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and data between SD compatible devices. This type of memory card is designed for use with this mobile phone and other such devices.

Note: Your phone has been tested to support up to a 128GB memory card.

Installing the Memory Card

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.



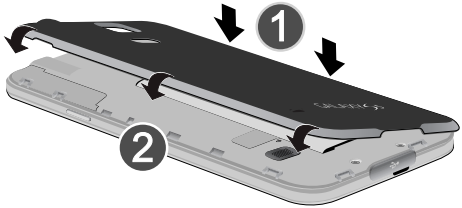
For more information, refer to *"Storage"* on page 164.

Removing the Memory Card

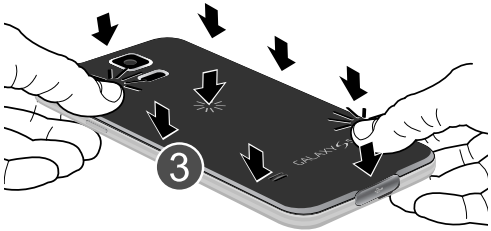
1. Push on the memory card until it clicks and is released.
2. Grasp the memory card and remove it from the phone.

Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).



2. Press along the edge of the back cover (3) until you have a secure seal.



3. To avoid water damage, ensure that the back cover is completely closed by pressing just below the Cricket Logo until you hear a click.

Note: Make sure the battery is properly installed before switching on the phone.

Charging the Battery

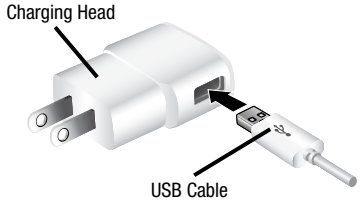
Your device is powered by a rechargeable Li-on battery. A wall charger, which is used for charging the battery, is included with your device. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

Before using your device for the first time, you must fully charge the battery.

Your device is powered by a rechargeable Li-on battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours. Although you can use the phone while the battery is charging, doing so will require additional charging time.

Important! Verify that the battery is installed prior to connecting the wall charger. If the wall charger is connected and the battery is not installed, the handset will power cycle continuously and prevent proper operation. Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.



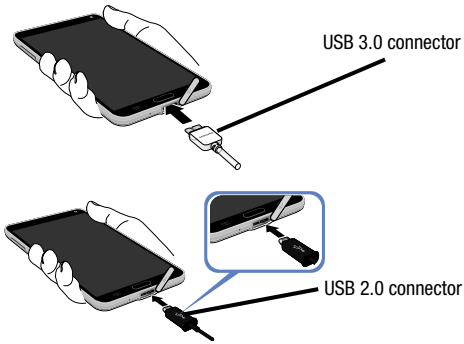
To connect a USB 3.0 cable to the device:

1. Connect the USB cable to the charging head.
2. Lift up on the Charger/Accessory jack cover that covers the port on the bottom of your phone and swing it open.

Caution! Be careful not to damage or detach the Charger/Accessory jack cover. A damaged or missing cover can result in water damage to the device.

3. Insert the USB 3.0 cable into the device's Charger/Accessory jack.
4. Plug the charging head into a standard AC power outlet. The device turns on with the screen locked and indicates both its charge state and percent of charge.

Important! While the device is charging, if the touch screen does not function due to an unstable power supply unplug the USB power adapter from the power outlet or unplug the USB cable from the device.



5. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the charger's connector from the device.
6. If you are using the older style USB 2.0 cable to charge your battery, plug the flat end of the cable into the smaller port in the device's Charger/Accessory jack.
7. When charging is finished, first unplug the charger's power plug from the AC wall outlet, then disconnect the charger's connector from the phone.

Important! Before closing the Charger/Accessory jack cover, check to see if there is any foreign substance such as dust on sand on the rubber seal.

8. Tightly close the multipurpose jack cover when you are finished so that no water can enter the port.

Important! Your touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to the "*Standard Limited Warranty"* in your in-box H&S Guide.

Maintaining water and dust resistance

This device is rated IP67 using the Ingress Protection rating system. The dust rating is 6 (highest level of protection), and the water resistance rating is 7 (water resistant up to 1 meter for up to 30 minutes). Despite this classification, your device is not impervious to water damage in any situation. It is important that all compartments are closed tightly.

Follow these tips carefully to prevent damage to the device.

- Whenever your device gets wet, dry it thoroughly with a clean, soft cloth.
- Do not expose the device to salt water or ionized water, or to water over 1 meter deep for more than 30 minutes. If your device is exposed to salt water, wash the device with fresh water then dry thoroughly with a clean, soft cloth. Otherwise, when it dries, salt may accumulate and block the microphone, earpiece, and speaker.
- When drying off your device, be sure to pat the earpiece (top front of phone), microphone (bottom of phone), and speaker (rear of phone) with a clean, soft cloth to remove as much water as possible.
- When making a call immediately after your device is wet, the microphone may have water in it which may lower the volume that the other person will hear. After drying off the device, allow the device to air-dry before making a call.
- The back and multipurpose jack covers may be loosened slightly if the device is dropped or receives an impact. Ensure that all the covers are properly aligned and tightly closed. Otherwise, they may not provide protection from water and dust.
- Always keep the multipurpose jack cover clean and be careful to avoid damaging it.

Note: The touch screen may not be active in water.

Extending Your Battery Life

Active applications, light levels, Bluetooth usage, and GPS functionality all act to drain your battery. The following is a list of helpful tips that can help conserve your battery power:

- Reduce the time your backlight stays on.
- Turn Bluetooth off when not in use.
- Turn Wi-Fi off when not in use.
- Deactivate the GPS when not needed. Most applications using this function will periodically query the GPS satellites for your current location; each query drains your battery.
- Do not wait until your battery is completely depleted before charging your device. Repeating this process of a complete discharge and recharge can over time reduce the storage capacity of any battery.
- Use the Power Saving feature to deactivate some hardware and interface functions.
- Check the Battery use screen to review what features or functions have been consuming your battery resources.
- Check the Running Services and close any unnecessary applications.
- Use the Task Manager feature to end/shutdown background applications that are still running. These minimized applications can, over time, cause your device to slow down.
- Animated wallpapers use processing power, memory, and more power. Change your Live Wallpaper to a non-animated Wallpaper gallery or Gallery image.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper right corner of your device's display. Solid color indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

You can also choose to display a percentage value. Having a percentage value onscreen can provide a better idea of the remaining charge on the battery.

- From the Home screen, tap **Apps** → **Settings** → **Battery** → **Show battery percentage**.

Switching the Device On or Off

To turn the device on:

1. Press and hold ⏻ **Power/End** until the device switches on.

   The device searches for your network and after finding it, you can make or receive calls.

2. Swipe your finger across the screen to unlock the phone.

To turn the device off:

1. Press and hold ⏻ **Power/End** until the Device options screen appears.
2. Tap **Power off**.
3. At the **Power off** prompt, tap **OK**.

Locking and Unlocking the Touch Screen

1. Press ⏻ to lock the touch screen.
2. Press ⏻ again to display the lock screen then swipe your finger across the screen to unlock.

Note: Swipe is the default screen locking method. To change your screen lock, see *"Lock Screen Settings"* on page 143.

Configuring your Phone

When you first turn on your phone, you will need to set up a few things.

1. As each screen is displayed, follow the instructions on each screen to set up that particular feature.
2. Tap **Next** or **Skip** to progress to the next page.
3. At the last screen, tap **Finish**, to finish your setup.

Note: Once the device has been configured, you will not be prompted with setup screens again.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, tap ➔ **Gmail** .
   The **Add a Google Account** screen displays.
2. Tap **New** to create a new Google account.

   – or –

   If you already have a Google account, tap **Existing** to sign in and add the account to your phone.
3. Follow the onscreen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON and Samsung Hub. If you did not create a Samsung account when you first set up your phone, follow these steps:

1. From the home screen, tap ➔ **Settings** ➔ **Accounts** ➔ **Add account**.
2. Tap **Samsung account**.
3. Tap **Create new account**.
4. Follow the onscreen instructions to create and activate your account.

Setting Up Your Voice Mail

1. From the Home screen, tap , then tap .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then tap . You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password and you are connected to your Voice Mail.

Section 2: Understanding Your Phone

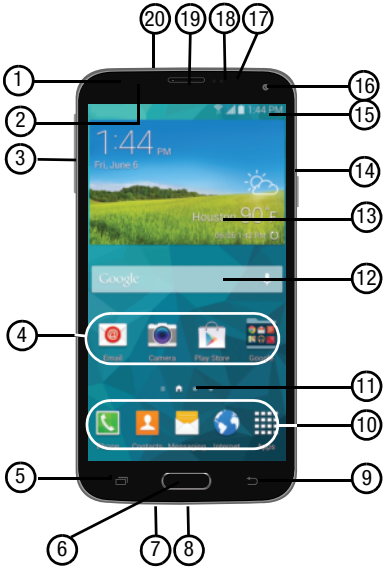
This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

- Android v 4.4.2, KitKat Platform
- Brilliant 5.1" Full HD Super AMOLED® (1920 x 1080) display
- Multi-core processor
- USB 3.0 connector for faster transfer speeds
- Wi-Fi ® Capability (802.11 a/b/g/n/ac) @ both 2.4GHz and 5GHz
- Delivers data faster using 4G LTE and High Speed Packet Access Plus (HSPA+)
- Galaxy Gear™ compliant. For more information, please visit: www.samsung.com/us/galaxygearsupport
- Smart Switch™ compliant. For more information, see www.samsungsmartswitch.com
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- Mobile Hotspot and USB Tethering capability
- 16 Megapixel camera and camcorder with Front Facing camera
- Smart Remote control using Smart Remote
- GPS Navigation functionality provides real-time navigation
- Expandable memory slot
- Corporate and Personal Email
- Sync and update social network applications
- Thousands of Apps available to download via Google Play Store™ and Samsung Hub
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, and Instant Messaging with Google Hangouts™
- Video with Full HD 1080p recording and playback
- Samsung Link to share your media content across DLNA certified devices

Front View

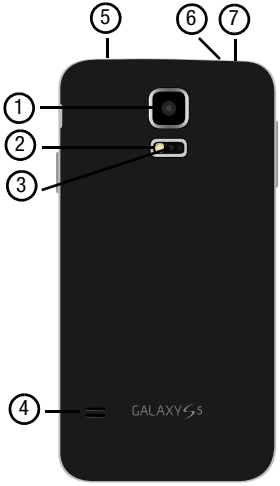


1. **Indicator light** illuminates with a series of distinct colors and flashing patterns to indicate different notifications and statuses. Events include Charging, Low battery, and Missed event:
   - Powering on and Missed Notification (Call or Messaging)- **blue** blinks
   - Battery Charging - **red** remains on
   - Low Battery or Charging Error- **red** blinks
   - Battery Fully Charged - **green** remains on
2. **Light (RGB) Sensor** lets you use the ambient light level to adjust the screen brightness/contrast. This sensor decreases screen brightness in dim light.
   - In a bright light condition (outdoors), the sensors cause the device to increase the brightness and contrast for better viewing.
   - In dim light conditions, the device decreases the screen brightness to compensate.
3. **Volume key** allows you to adjust the ringer volume in standby mode (with the phone open) or adjust the voice volume during a call. When receiving an incoming call:
   - Pressing the volume key down mutes the ring tone.

4. **Application icons** are shortcuts to your favorite applications on the Home screen.
5. **Recent key** displays a list of recently opened apps and provides access to the Task Manager.
6. **Home key** displays the Home screen when pressed. Press and hold to display Google Search. Double-press to activate S Voice.
7. **Microphone - bottom** is used during phone calls and allow other callers to hear you clearly when you are speaking to them.
8. **USB Power/Accessory connector** allows you to connect a power cable or optional accessories such as a USB/ data cable.
9. **Back key** re-displays the previous screen or clears entries.
10. **Primary Shortcuts** allow quick access to important features such as Phone, Contacts, Messaging, Internet, and Apps.
11. **Home screen indicator** shows which Home screen is presently displayed.
12. **Google Quick Search bar** provides a shortcut to Google Search that allows you to search for items on the internet.
13. **Widgets** are self-contained onscreen applications (not shortcuts). These can be placed onto any of the available screens (Home or extended).

14. **Power/End key** ends a call or switches the phone off and on. Press and hold for two seconds to:
    - Access the audio modes for the device. Tap an onscreen selection (Mute, Vibrate, or Sound).
    - Turn the device On or Off
    - Enable Airplane mode .
    - Restart the device .
    - Enable Emergency mode .
15. **Status bar** shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
16. **Front Facing Camera** allows you to take pictures while facing the screen and allows you to video conference.
17. **Gestures Sensor** used to detect Air View and Air Gesture motions.
18. **Proximity Sensor** detects how close an object is to the surface of the screen. This is typically used to detect when your face is pressed up against the screen, such as during a phone call.
    - While talking on the phone, the sensor detects talk activity and locks the keypad to prevent accidental key presses.
19. **Receiver** allows you to hear the other caller.
20. **Microphone - top** used while an active call is in the speakerphone mode and assists in noise cancellation (2 microphone solution).

Back View



1. **Camera lens** is used to take photos.
2. **Flash** is used to take photos in low-light conditions.
3. **Heart Rate Sensors**, when using the S Health app, these sensors measure your heart rate via your fingertip. For information on the S Health app, see *"S Health"* on page 120.
4. **External speaker** allows you to hear ringers, music, and other sounds offered by your phone.
5. **Headset jack** allows you to connect a hands-free headset so you can listen to music.
6. **Temperature and Humidty sensor** allows your device to read both temperature and humidity conditions. This is useful to calculate calories burned within S Health.
7. **IR Transmitter** used to emit infrared signals used for controlling external devices. For more information, refer to *"Smart Remote"* on page 122.

Status Bar

The Status Bar shows information about the connection status, signal strength, battery level, and time, and displays additional notifications information.

This list identifies the icons you might see on your device's display screen:

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when your phone is in Blocking mode.

Displays when there is a system error or alert.

Displays to indicate a security warning. You are prompted to set a screen lock password.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Call forwarding"* on page 58.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Low – Shows your current battery charge level.

Device Power Critical – Shows your current battery only has less than 5 percent power remaining and will soon shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when updates are available for download.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays in the notifications window when there is a new Gmail message.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"Calendar"* on page 89.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 97.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when the Location feature is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when Near Field Communication (NFC) has been activated.

Displays when your device is connected being used to control streaming media and is connected to a Digital Living Network Alliance (DLNA) certified device using the Samsung Link application.

Displays when your device is currently sharing/ streaming media to a paired device using the Samsung Link application.

Displays when TTY device has been inserted.

Displays when a screen capture has been taken.

Displays when the keypad is active.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 130.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available onscreen menus. Your phone originally has three home screens but you can expand up to seven home screens.

Command Keys

Recent Key

Press **Recent** to display a list of recently opened apps.

Home Key

Press **Home** to display the main Home screen. Press and hold to display access the Google Search feature.

Back Key

Press **Back** to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe and Palm Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

Navigating Through the Home Screens

Your phone originally has four home screens but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with a Home screen on each side.

Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap . The first Application Menu will be displayed.
2. Sweep the screen left or right to access the other two menus.
3. Tap one of the application icons.

Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press .

   A sub-menu will appear at the bottom of the phone screen.
2. Tap an option.

Accessing Recently-Used Apps

1. Press from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

   – or –

   Tap to go to the Task manager.

   – or –

   Tap to delete the record of all recently used applications.

Using the Multi Window

This feature allows you to run multiple applications on the current screen at the same time.

Note: Only applications found within the Multi window panel can be active atop another current application on the screen.

Activating and Deactivating Multi window

There are two different ways you can activate and deactivate the Multi window feature:

To activate Multi window via the Notification screen:

1. In a single motion, touch the Status bar to reveal the Notifications tab, and then drag it to the bottom of the screen to open the Notifications screen.
2. Swipe the row of icons to the left until the Multi window icon is displayed.
3. Tap the **Multi window** entry to activate the feature. The icon turns green when active.
4. Tap **Home** to return to the Home screen.
5. Tap the tab to open the application panel showing all the available Multi window apps.

Note: Once you have turned the Multi window option on in step 3, you only need to press and hold the **Back** key to re-activate the Multi window feature.

To activate Multi window via the Settings menu:

1. From the Home screen, tap → **Settings** → **Multi window**.
2. Tap the ON/OFF slider, located to the right of the Multi window field, to turn the feature on ON.
3. Tap **Home** to return to the Home screen.
4. Tap the tab to open the application panel showing all the available Multi window apps.

To deactivate Multi window:

- Press and hold the **Back** key . This action hides the Multi window tab from view.

Repositioning the Multi Window

The Multi window contains two components: tab and apps panel. The tab can be manually moved across the screen. The apps panel (containing the scrollable apps) can be relocated to lock onto either side of the screen (left or right).

To move the tab:

1. Activate the Multi window feature.
2. In a single motion, touch and hold the tab for approximately one-second, then slowly drag it to its new location **along the current** screen edge.

Note: This is a quick way to get the tab out of the way if you can't get to a button or option behind it.

To relocate the Multi window apps panel:

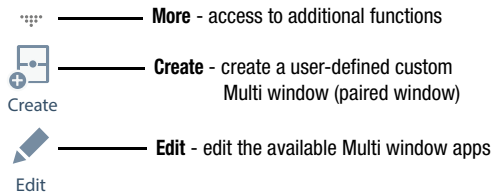
1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. In a single motion, touch and hold the tab for approximately one-second to detach it from the screen, then slowly drag it to its new location along either side.

Customizing the Multi Window apps

The applications found within the apps panel of the Multi window can be organized by either being rearranged or removed.

To rearrange the Multi window applications:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. In a single motion, touch and hold a desired app until it detaches from the panel, then carefully drag it to a new location in the list of apps. Lift your finger or stylus off the screen to let go of the app and drop it into its new location.



To edit a Multi window application:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap **More** ➔ **Edit** (located at the bottom of the list) to reveal a staging area (on the right) that can house any removed applications from the Multi window panel.
4. Tap **Done** once you have completed the removal process.

To remove a Multi window application:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap **More** ➔ **Edit** button (located at the bottom of the list) to reveal a staging area that can house any removed applications from the Multi window panel.
4. Tap **Done** once you have completed the removal process.

To restore a Multi window application:

1. Activate the Multi window feature.
2. Tap the tab to display the apps panel (containing the scrollable apps).
3. Tap **More** ➔ **Edit** located at the bottom of the list) to reveal the staging area containing any previously removed apps.
4. Locate the desired application.
5. In a single motion, touch and hold a desired app until it detaches from the staging area, then carefully drag it to a new location in the current list of apps.

Using Multi Window to run multiple apps on the same screen

Any of the apps found within the Multi window panel can be run at the same time as a current onscreen app.

Once multiple apps are running on the same screen, you can then choose to either swap their positions or maximize a desired app.

Note: Only applications found within the Multi-window panel can be active atop another current application on the screen.
When launching applications that contain multimedia files (music/video), audio from both files will be played simultaneously.

In the following example, we will be launching both the Messaging and Internet applications.

1. Launch an application such as Messaging.
2. Activate the Multi window feature.
3. Tap the tab to display the apps panel.
4. Touch and hold the desired app, such as Internet, until it detaches from the panel.
5. In a single motion, drag it over the current app and drop the new Multi window app over either the top or bottom area of the current onscreen app.

Note: Once two applications are running, the device displays a split screen view containing both the initial app and the new Multi window app. Each application is still independent of the other.

To switch the arrangement of the applications:

1. Tap the desired application area (top or bottom).
2. With the two applications shown in a split screen, tap the Border button to show the onscreen functions.
3. Locate and tap **Switch Window**. The current apps are switched.

To increase the size of a desired application window:

1. With the two applications shown in a split screen, locate the Border bar indicating the edge of the app window.

2. In a single motion, touch and hold the Border bar then drag it to resize the desired window.

To close a selected application:

1. With the two applications shown in a split screen, tap one of the two onscreen apps to select it.
2. Tap the Border bar to show the onscreen icons.
3. Locate and tap **Close Application**. The current app is closed and the remaining app is maximized.

To add text or image to app:

Dragging and dropping a paragraph of text or a screen shot image is now possible with Multi Window.

1. Drag the Gallery app onto one of the available onscreen windows. Open an image folder.
2. With the two applications shown in a split screen, tap the Border button.
3. Locate and tap **Drag and Drop Content**.
4. Drag and drop a paragraph of text or an image from one window into the other.

Note: Not all apps support this feature.

Creating a Customized Multi Window Preset

1. Arrange the Multi window view as desired (app location, high of windows, etc.)
1. Once configured, tap **More** → **Create**.
2. Use the onscreen keyboard to name the new preset of paired windows.
3. Tap **OK**. The new preset then appears at the top of the Multi window list of apps.

Customizing Your Home Screen

You can customize your Home screen.

Customizing the Toolbox

For more information, refer to *"Toolbox"* on page 145.

Activating the Toolbox feature displays an onscreen button that provides quick access to a set of five user-defined applications.

Creating Shortcuts

Shortcuts activate a feature, action, or launch an application.

Adding a shortcut from the Apps Menu

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap to display your current applications.
4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
6. While still holding the onscreen icon, position it on the current page or move it to another page. Once complete, release the screen to lock the new shortcut into its new position on the screen.

Deleting a shortcut

1. Press to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the **Remove** icon and release it.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

1. Press to activate the main Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.
3. Scroll through the App menu to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

   The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an onscreen application.

Adding a Widget

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. Tap **Widgets** at the bottom of the screen.
5. Press and hold an available Widget to position it on the current screen, then release the Widget.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget up to the **Remove** icon and release it.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap and tap **View as**.
4. Tap **Custom**. A green circle will appear next to the option.
5. Tap and tap **Edit**.
6. Scroll through the list and locate the icon you wish to move.
7. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
8. Tap **Save**.
9. Press to return to the Home screen.

Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder follow these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap and tap **Edit**.
4. Touch and hold the first application that you would like to move to a folder.
5. Drag the icon up to the **Create folder** icon.
6. Enter a folder name and tap **OK**.

   A folder is displayed in the original place of the application icon with the application icon displayed on top of it. You can now drag other Apps into the folder.
7. To view information on an App, drag the App icon up to the App info icon to view information on the application.
8. Tap **Save**.

Managing Shortcuts

To add a shortcut from the Applications screen:

1. From the Home screen, select a screen location for your new shortcut by scrolling across your available screens until you reach the desired one.
2. Tap **Apps** to reveal all your current available applications. By default, applications are displayed as an Alphabetical grid.
3. Scroll across the screens and locate your desired application.
4. Touch and hold the icon. The new shortcut then appears to hover over the current screen.
5. While still holding the onscreen icon, position it on the current screen. Once complete, release the screen to lock the shortcut into its new position.

To delete a shortcut:

1. From the Home screen, touch and hold the desired shortcut. This unlocks it from its location on the current screen.
2. Drag the shortcut over the **Remove** tab and release it.

Adding and Removing Primary Shortcuts

Note: You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

To remove a primary shortcut:

- From the Home screen, touch and hold the primary shortcut you want to replace, then drag it to an empty space on any available screen. The primary shortcuts are now updated to show an empty slot.

To insert a new primary shortcut:

1. From the Home screen, tap **Apps**.
2. Locate your desired application, then touch and hold the onscreen icon to position it in the desired primary shortcut location. For more information, refer to *"Managing Shortcuts"* on page 34. The new primary shortcut will now appear on both the Home and Extended screens.

Adding and Removing Widgets

Widgets are self-contained applications that can be placed on any screen. Unlike shortcuts, widgets appear as applications.

To add a Widget:

1. Navigate to a target screen containing an available open area, then press and hold **Recent** until screen options appear.
2. Tap **Widgets** and scroll through the available Widgets to find the desired Widget.
3. Touch and hold the Widget until it detaches from the screen.
4. While still holding the Widget, scroll over the location of the available screen and let go of the Widget to place it in the desired location.

To remove a Widget:

1. Touch and hold a Widget until it unlocks from the current screen.
2. Drag the widget over the **Remove** tab and release it.

To place a widget onto a different screen:

1. Touch and hold the widget until it becomes transparent.
2. Slowly drag it past the edge of the screen until the adjacent page appears highlighted and it then snaps onto the new page.
3. Drag the widget to its desired position on the new screen.
4. Repeat these steps to continue moving it to other screens.

Managing Wallpapers

Wallpapers consist of either Gallery images (user taken), Static Wallpaper images (default wallpapers), or Live wallpapers (animated backgrounds).

Note: Selecting animated Live wallpapers will require additional battery power.

To change the current Home screen wallpaper:

1. Navigate to an available screen containing an open area.
2. Press and hold **Recent** to launch the Home Screen Options page.
3. Tap **Wallpapers** ➔ **Home screen**.
4. Scroll across the available wallpaper images and select a Wallpaper type:
   - Tap **More images** to select from a user image stored in the camera image gallery or your Google Photos, crop the image, and tap **Done**.
   - Tap any wallpaper to select from an available static or animated backgrounds, once done tap **Set wallpaper**.

To change Wallpapers from Settings Menu:

1. From the Home screen, tap **Apps** ➔ **Settings** ➔ **Wallpaper**.
2. Choose from **Home screen**, **Lock screen**, or **Home and lock screens**.

Note: The **Home and lock screens** is an option that allows you to change both screens at the same time.

3. Select a wallpaper image and tap **Done** or **Set wallpaper**.

For more information, refer to *"Wallpaper"* on page 143.

To change the current Lock screen wallpaper:

1. From the Home screen, tap **Apps** ➔ **Settings** ➔ **Wallpaper** ➔ **Lock screen**.
2. Select a wallpaper image and tap **Done** or **Set wallpaper**.

Adding and Deleting Screens

Your device comes with up to seven screens. You can delete these screens and then add them back later.

Important! Your device can only contain at most seven screens and at least one screen.

To add a screen:

1. Navigate to an available screen containing an open area, then press and hold **Recent** until edit home screen options appear.
2. Scroll to the far right of the available screens and tap **Add screen**. The newly added screen appears as the last page.
3. Press to return to the main Home screen.

To delete a screen:

1. Navigate to an available screen containing an open area, then press and hold **Recent** until edit home screen options display.
2. Scroll across the available screens, then drag the undesired screen up to the **Remove** tab.
3. Press **Home** to return to the main Home screen.

Rearranging the Screens

1. Press and hold **Recent** until edit home screen options appear.
2. Touch and hold a screen and then drag it left or right into its new location. Left most is screen position #1 and right most is screen last screen.

Assigning a New Home Screen

1. press and hold **Recent** until edit home screen options appear.
2. Tap to assign an existing screen as the new Home screen. The **Home screen** icon highlights at the top of the selected screen.

Notification Panel

The Notification panel includes a pull down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

1. On the Home screen, touch and hold the Notification panel until the pull down displays, then drag down vertically.
2. Tap a notification entry to open the associated application.

Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification panel until the pull-down displays, then drag down vertically.
2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, the Notification panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated. You can choose the functions that will be displayed.

1. From the notification panel, tap to display additional options.

   The following functions are located in the top two rows and can either be activated (green) or deactivated (light blue): Wi-Fi, Location, Sound, Screen rotation, and so on.
2. Tap then locate the Notifications panel area located at the bottom of the Notifications panel screen.
3. Touch and hold a desired function from the bottom two rows and then drag it to the top two rows. Additional functions are Screen mirroring, NFC, Sync, Smart stay, and so on.
4. Tap **Brightness adjustment** to create a checkmark if you want to be able to adjust the screen brightness via the Notification panel.
5. Tap to display only your primary functions.

Entering Text

Your device comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Your device also provides several onscreen keypad text entry options to make the task of text entry that much easier.

Text Input Methods

There are three text input methods available:

- **Google voice typing**: allows you to enter text by speaking.
- **Samsung keyboard (default)**: Samsung's onscreen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Swype**: a new way to enter text on touch screens. Instead of tapping each key, use your finger to trace over each letter of a word.

To change the input method, see *"Keyboards and Input Methods"* on page 156.

Selecting the Text Input Method

The Text Input Method can be assigned from either of two locations:

Settings Menu:

- From the Home screen, tap **Apps** ➔ **Settings** ➔ **Language and input** ➔ **Default** and select either the Samsung keyboard or Swype.

Text Input field:

1. From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen to open the Notifications screen.
2. Tap **Choose input method** and select an available input method.

Using Google Voice Typing

This feature uses Google voice recognition to convert your spoken words into onscreen text.

You can use your voice to enter text using the Google Voice typing feature.

1. From the keyboard, touch the top of the screen and drag it down to display your notification panel.
2. Tap **Choose input method** ➔ **Google voice typing**. For more detailed information on configuring Google Voice Typing settings, see *"Google voice typing settings"* on page 160.
3. At the Listening prompt **Speak now**, speak clearly and distinctly into the microphone.

   The text is displayed in the message as you are speaking.
4. Tap **Done** when you are finished.

   – or –

   Tap **Resume** to resume recognition.

Note: The feature works best when you break your message down into smaller segments.

Using the Samsung Keyboard

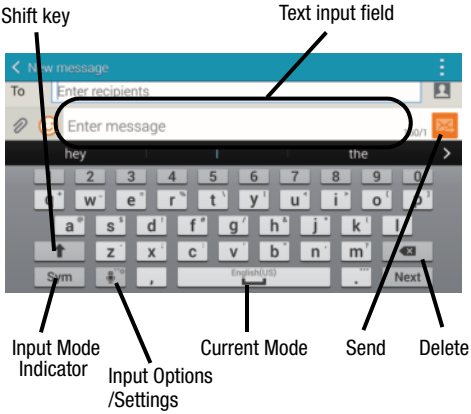
This device has a built-in, QWERTY keyboard. Using the QWERTY keyboard, you can type letter, numbers, punctuation, and other characters.

To use the Samsung keyboard you must first configure the settings to default to the Samsung keyboard.

1. From the Home screen, tap **Apps** ➔ **Settings** ➔ **Language and input** ➔ **Default** ➔ **Samsung keyboard**.

   – or –

   From a screen where you can enter text, in a single motion, touch and drag the Status bar down to the bottom of the screen, then select **Choose input method** ➔ **Samsung keyboard**.
2. The virtual keyboard is then assigned to the Samsung keyboard configuration for all subsequent text input.



For more detailed information on configuring Samsung Keyboard settings, see *"Samsung Keyboard settings"* on page 157.

Entering Text using Different Input Options

Although the default text input method with the Samsung keyboard is to use the onscreen keys you have other options.

Note: To access settings, touch and hold the **Input Methods** button , then tap **Settings** then select it from the available options.

1. From within an active message, tap the text input field to reveal the onscreen keyboard.
2. Tap **Input Methods** to use the default Voice typing input method to convert your spoken words to onscreen text.

   – or –

   Touch and hold to select from other input methods such as:
   - **Voice to text** to launch the device's Google Voice typing application to covert spoken words into onscreen text.
   - **Handwriting** to launch an onscreen handwriting area that can be used to convert onscreen patterns to text.

- **Clipboard** to launch the device's clipboard area from where you can select a current clipboard item to place in your current message.
- **Settings** to access the Samsung keyboard settings menu.
- **Emoticons** to access the available Emoticons pages.
- **Keyboard alignment** to detach the onscreen keyboard so that you can manually dock it anywhere on the current text entry screen. Selecting the feature again re-docks the keyboard into its original location using the original size.

Changing the Text Input Mode in Keyboard

1. From a screen where you can enter text, tap the text input field to reveal the onscreen keyboard.
2. With Samsung keyboard as your text entry method, select one of the following text mode options:
   - **Abc** ABC : to use alphabetic characters from the onscreen keyboard. In this mode, the text mode button displays Sym .
   - **Symbol/Numeric** Sym : to enter numbers by pressing the numbers selecting them on the onscreen keyboard. In this mode, the text mode button displays ABC . There are up to 2 available pages of numeric symbols available by tapping 1/2 .
3. After typing an initial uppercase character, tap ⇧ to toggle capitalization.

All lowercase

Displays when the next character is entered in lowercase.

Initial Uppercase

Displays when the first character of each word is entered as uppercase but all subsequent characters are lowercase.

All Uppercase

Displays when all characters will be entered as uppercase characters.

By default, the first letter of a new entry is capitalized and the following letters are lower-cased. After a character is entered, the cursor automatically advances to the next space.

Using ABC Mode in Samsung Keyboard

1. From a screen where you can enter text, tap the text input field to reveal the onscreen keyboard.
2. Tap ABC to configure the keyboard for ABC mode. Once in this mode, the text input type shows Sym.
3. Enter your text using the onscreen keyboard.
   – If you make a mistake, tap ⌫ to erase a single character. Touch and hold ⌫ to erase an entire word.
4. Tap **Send** to deliver the message.

Using Symbol/Numeric Mode

Use the Symbol/Numeric Mode to add numbers, symbols, or emoticons. While in this mode, the text mode key displays ABC.

1. From a screen where you can enter text, tap the text input field to reveal the onscreen keyboard.
2. Tap Sym to configure the keyboard for Symbol mode. Once in this mode, the text input type shows ABC.
3. Tap a number, symbol, or emoticon character.
4. Tap ABC to return to ABC mode.

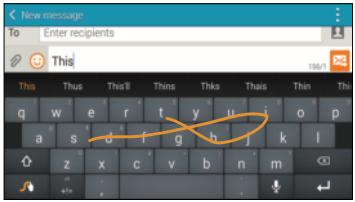
To enter symbols:

1. Tap Sym to configure the keyboard for Symbol mode.
2. Tap the appropriate symbol key.
   – or –
   Tap 1/2 button to cycle through additional pages.
   - The first number on this key indicates which page (1 or 2) of additional characters is active.

Entering Text Using Swype

Swype™ is a text input method that allows you to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words. Swype uses error correcting algorithms and a language model to predict the next word. Swype also includes a predictive text system.

The following example shows how to enter the word “This”. Put your finger down on the “T”, and without lifting, glide it to the “h”, then to the “i” then over to the “s”.



Enabling and Configuring Swype

The Samsung keyboard is the default text input method, so to use Swype, you must first change the default keyboard setting.

To enable Swype:

1. From a screen where you can enter text, touch and drag down from the Notifications area then tap **Select input method**.
2. Tap the **Swype** radio button. It will turn green.

   The Swype keyboard is displayed.

Swype Settings

For information on how you can configure your Swype settings, see *“Swype Keypad Settings”* on page 159.

Swype Text Entry Tips

You can access the SwypeTips application and watch a video or tutorial on using Swype. You can also use the following Swype text entry tips.

- Create a squiggle (like an S shape) to create a double letter (such as pp in apple).
- Touch and hold a key to view the punctuation menu then make a selection.
- Move your finger or stylus over the apostrophe to enter contractions.
- Double-tap on the word you want to change to correct a misspelled word, then tap the delete key to erase one character. Touch and hold the delete key to erase an entire word.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

Displaying Your Phone Number

- Tap ➔ **Settings** ➔ **About device** ➔ **Status**. Your phone number is displayed in the **My phone number** field.

Making a Call

1. From the Home screen, tap and use the onscreen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 58.

Quick Dialing a Number from the Contacts List

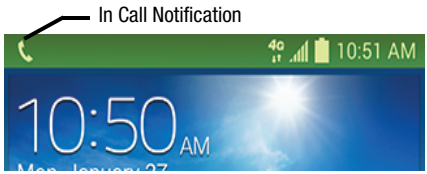
1. From the Home screen, tap ➔ **Contacts** .
2. Locate a contact from the list.
3. In a single motion, touch and drag your finger over the number by going to the right. This action places a call to the recipient.

Running a Call in the Background

If you exit the current call screen and return to the Home screen, you are visually notified that you are still on an active call by the phone icon within the Status bar.

This is the best way to stay on your current call and do something else (multi-task) such as access the Contacts list, view a recent email, locate a picture, and so forth.

- Tap the onscreen reactivate button to return to the currently active call.



Making an International Call

1. From the Home screen, tap , then touch and hold 0 +. The **+** character appears.
2. Use the onscreen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the onscreen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap **Add 3-sec pause** to add a three second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than three seconds by entering multiple three second pauses.

– or –

Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.

4. Tap to make the call.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Contacts list, the associated name is also displayed.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

   A list of recent calls is displayed.
3. Tap the desired number, then tap to make a call.

Ending a Call

- When you are ready to end your call, tap the key.

Ending a Call from the Status Bar

1. From an active call, you can launch a separate application or return to the Home screen. The current call is kept active in the background.
2. Tap the Status bar to reveal the Notifications tab, and then drag the tab to the bottom of the screen to open the Notifications panel.
3. Tap **End** to end the currently active call.

Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Contacts list.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
2. Tap to end the call.

Note: You can answer a call while using the Contacts list or other menu feature. After ending the call, the phone returns to the previously active function screen.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call without a SIM card

1. Tap **Emergency call** from the onscreen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Tap to exit this calling mode.

Making an Emergency Call with a SIM card

1. From the Home screen, tap .
2. Enter the emergency number (example: 911) and then tap .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, tap **Contacts** to display your Contacts List.
2. Press to display the options menu.
3. Tap **Speed dial**.
4. The **Speed dial** screen displays showing the numbers 1 through 100. The number 1 is reserved for Voicemail.
5. Tap an unused number and the contact screen displays.
6. Tap a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number, tap located next to the speed dial contact.

   The speed dial number is removed from the speed dial list.
8. To make a call using Speed Dial, tap → **Keypad** touch and hold the speed dial number. If the speed dial number is more than 1 digit long, enter the first digits, then hold the last digit.

Dialing Options

From the Home screen and Application menus, tap to access the Dialer.

From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- **Keypad**: Dial a number using the onscreen keypad.
- **Logs**: Displays a list of all dialed, received, and missed calls.
- **Favorites**: Displays your contacts that you have marked as Favorites.
- **Contacts**: Takes you to your Contacts list where you can select a contact to call.

After you begin to enter numbers, the **Add to contacts** option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

   A list of recent calls is displayed. If the number or caller is listed in your Contacts list, the associated name is displayed.

All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap → **Logs** .

   A list of recent calls is displayed. If the number or caller is listed in your Contacts list, the associated name is displayed.
2. Swipe the desired missed call to the right to call.

   – or –

   Swipe the desired missed call to the left to message.

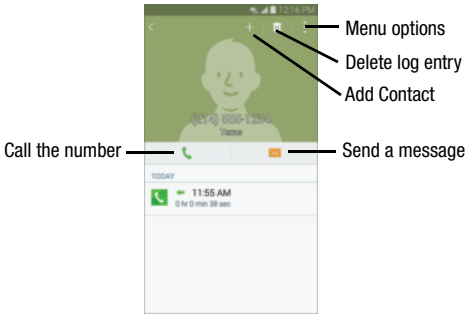
Saving a Recent Call to your Contacts List

1. From the Home screen, tap → **Logs** .

   A list of recent calls is displayed.
2. Tap the call you want to save to your Contacts list.
3. The call detail page is displayed. Tap **Create contact** to add the call to your Contacts list.
4. Tap **Create contact** to add the call to your Contacts list.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.



5. Enter information into the various fields using the keypad.
6. Tap **Save** to save when you are finished.

Sending a Message to a Recent Call

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed.
2. Swipe the entry you want to message to the left.
3. At the Message screen, tap the empty text field and use the onscreen keypad to type in a message.
4. When you are done with your message, tap to send.

Deleting a Call from the Call Log

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed.
2. Touch and hold the call you want to delete
3. The Call log will display with the contact checked.
4. Tap .
5. At the **Delete log** prompt, tap **OK**.
   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed.
2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.
4. At the **Add to reject list** prompt, tap **OK**.
   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap → **Logs** .
2. Press → **Call duration**.
3. The following times are displayed for Voice and Data:
   - **Last call**: Shows the length of time for the last call.
   - **Dialed call**: Shows the total length of time for all calls dialed.
   - **Received call**: Shows the total length of time for all calls received.
   - **All calls**: Shows the total length of time for all calls made and received.
4. You may reset these times to zero by pressing then tapping **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

– or –

Quickly add more volume to the incoming audio by tapping → **Extra volume.**

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding onscreen button.

- **Add call**: Displays the dialer so you can call another person.
- **Keypad**: Displays the onscreen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: Terminates the call.
- **Speaker**: Routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line will appear under the Speaker button.
  - Tap **Speaker** again to use the phone's earpiece. The green line will disappear when Speaker is not activated.
- **Mute/Unmute**: Turn the onboard microphone either on or off.
  - Tap **Mute** during a call to mute the microphone. A green line will appear under the Mute button.

– Tap **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.

- **Bluetooth**: connects to a Bluetooth headset.
  - Tap **Bluetooth** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  - Tap **Bluetooth** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Press for more options:
  - **Hold**: Place the current active call on hold.
  - **Contacts**: Allows you to go to your Contact list.
  - **Memo**: Allows you to write a memo.
  - **Messages**: Allows you to write a message during a call.
  - **Personalize call sound**: Allows you to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.
  - **Extra volume**: Allows you to turn up the volume when you are in a noisy setting.
  - **Settings**: Allows you to access your Call settings.

Personalizing the Call Sound Setting

During a call it may be necessary to adjust the sound of the incoming call by selecting an audio equalizer setting for the current call.

1. From the currently active call, tap **Menu** ➔ **Personalize call sound**.

Note: If prompted to enable the feature via the Call settings menu, go to **Settings** ➔ **Call** ➔ **Personalize call sound**.

2. Select an available option. Choose from: Adapt sound, Soft sound, Clear sound, and Off.

Placing a Call on Hold

You can place the current call on hold whenever you want. If your network supports this service, you can also make another call while a call is in progress.

To place a call on hold:

1. From the currently active call, tap **Menu** ➔ **Hold** to place the current call on hold.
2. From the currently active call, tap **Menu** ➔ **Resume call** to activate the call that is on hold.

To make a new call while a call is in progress:

1. From the currently active call, tap **Add call** to dial the second call.
2. Dial the new phone number and tap **Call**.

To switch between the two calls:

- Tap the onscreen previous **On hold** number entry and select **Swap**. The previous In call number turns gray and displays On hold. The new active call displays a green background behind the number.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.
2. Tap to end the currently active call.

To end a specific call:

1. Tap **Swap** until the call you want to end appears in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress:

You can answer another call while you have a call in progress if you have activated your Call waiting feature. Otherwise, the other call will go to your Voicemail box. For more information, refer to *"Additional settings"* on page 176.

1. Tap and slide to the right to answer another call.
2. Tap **Put "Name/Number" on hold** to put the first call on hold.

   – or –

   Tap **End call with "Name/Number"** to end the first call.
3. To switch between the two calls, tap **Swap**.
   - **Swap**: Places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap **Swap** again to switch back.

To end a call on hold:

1. Tap to disconnect the active call.
2. The call on hold will now become the active call. Tap to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Tap and slide to the right to answer the call.
2. Tap and slide to the right to answer the next call.
3. Tap **Put "Name/Number" on hold** to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping **Merge** .
5. To temporarily leave the conference call, tap **Menu** → **Hold**.

   To rejoin the conference call tap **Resume call**.
6. Tap to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** .

   The **Speaker** button now appears as and the speakerphone is activated.
2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** .

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to a person in the room, but do not want the person on the phone to hear you.

1. Tap **Mute**

.
The **Mute** button now appears as

and Mute is activated.
2. Tap **Mute**

to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset**

.
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.
The **Headset** button now appears as

and the Bluetooth headset is activated.
3. Tap **Headset**

to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Contacts List

1. During the active call, press then tap **Contacts**.
2. Tap the Contacts list entry.

For further details about the **Contacts list** feature, see *"Finding a Contacts List Entry"* on page 61.

Call waiting

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have previously set the Call waiting option to **Activate**.

You are notified of an incoming call by a call waiting tone.

To answer a new call while you have a call in progress:

1. In a single motion, touch and slide it in any direction to answer the new incoming call.
2. Tap an option from the Accept call after menu:
   - **Put "Name/Number" on hold** to place the previous caller on hold while you answer the new incoming call.
   - **End call with "Name/Number"** to end the previous call and answer the new call.

Note: The new caller appears at the top of the list. The previous caller is placed on hold and appears at the bottom of the list.

3. Tap the **On hold** number entry and select Swap **Swap** to switch between the two calls. This places the new caller on hold and activates the previous call.

Important! The currently active call is displayed with a green background.

4. Tap Swap **Swap** again to switch back.

Call forwarding

1. From the Home screen, tap → → **Settings** → **Call** → **Additional settings** → **Call forwarding**.
2. Tap one of the following options:
   - **Always forward**: Allows you to forward all voice calls.
   - **Forward when busy**: Allows you to forward voice calls to a designated number instead of your voice mail number if you are on another phone call.
   - **Forward when unanswered**: Allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
   - **Forward when unreachable**: Allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Call Settings

To access the Call settings menu:

- From the Home screen, tap → → **Settings** → **Call**.

  – or –

- From the Home screen, tap **Apps** → **Settings** → **Call**.

For detailed information on all of the call settings, see *"Call"* on page 174.

Section 4: Contacts

This section allows you to manage your daily contacts by storing their name and number in your Contacts list. Contact entries can be sorted by name, entry, or group.

Adding a New Contact

Use the following procedure to add a new contact to your Contacts list.

Saving a Number from the Home screen

1. From the Home screen, tap **Contacts** ➔ .
2. At the **Save contact to** prompt, tap on **Device**, **SIM**, or Account name.
3. Tap the image icon and assign a picture to the new entry by choosing one of three options:
   - **Image**: Retrieve a previously stored image from your Gallery or from My files folder, and assign it to this entry. Tap the image to assign it to the contact, then tap **Done**.
   - **Tagged pictures**: Retrieve a previously tagged image from your Gallery.
   - **Take picture**: Use the camera to take a new picture and assign it to this entry, then tap **Done**.
   - **Remove**: Deletes any previously assigned image on an existing contact.
4. Tap the **Name** field and use the keyboard to enter the name.

   – or –

   Tap next to the **Name** field to display additional name fields.
5. Tap the **Phone number** field.

   The numerical keypad is displayed.

   The **Mobile** button Mobile initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from the other phone number types.
6. Enter the phone number.

   Tap to add another Phone number field or tap to delete a field.
7. Tap **Email address** .

   The keyboard is displayed.

The **Home** button Home initially displays next to the **Email** field. If you want to add an Email address that is not a Home email address, tap the **Home** button and select another Email address type.

8. Enter the Email address.
   Tap + to add another Email address field or tap − to delete a field.
9. Tap any of the following fields that you want to add to your new contact:
   - **Groups**: Assign the contact to Not assigned, Favorites, ICE - emergency contacts, Co-workers, Family, or Friends.
   - **Ringtone**: Adds a field used to assign a message tone that will sound when messages are received from this contact.
   - **Add another field**: tap this button to add additional fields.
10. Tap **Save** to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to an existing Contact:

1. From the Home screen, tap **Contacts**, and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap Sym.
6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap **Save** to save your changes, or tap **Cancel** to discard.

Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **Contacts** .
2. Tap the Contact that you want to edit.
3. Tap to edit.
4. Tap any of the fields to add, change, or delete information.
5. Tap **Save** to save the edited information.

Using Contacts

Once you have stored phone numbers in the Contacts list, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

You can also send messages from the Contacts list.

Finding a Contacts List Entry

You can store phone numbers and their corresponding names in your phone's memory or an online account. The two locations are physically separate but are used as the Contacts list.

1. From the Home screen, tap **Contacts** .
   The Contacts list is sorted alphabetically.
2. Tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.
3. Tap the contact you wish to call or message.
4. Tap the phone icon to make a phone call or tap the message icon to send a message.
   For more information, refer to *"Creating and Sending Messages"* on page 70.

Tip: You can sweep right over a Contact listing to make a call. Sweep left over a Contact listing to send a message.

Linking Contacts

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can link all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically updates in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 64.

1. From the Home screen, tap **Contacts** .
2. Tap the name you want to link to another entry.

   Typically this is the same contact with a different name or account information.
3. Press ➔ **Link contacts**.

   The contact list is displayed.

Note: Only contacts stored on your phone can be linked.

4. Tap the entry to link.

   The second contact is now linked with the first and the account information is merged into one screen.

   The information is still maintained in both entries, but displays in one record for easier viewing when you link the contacts.
5. Tap the link icon on the **Connection** bar to view the contact information you joined. The contact information displays indicating what type of account information is contained in the entry.

Unlinking a Contact

1. From the Home screen, tap **Contacts** .
2. Tap the account name you want to unlink.

   Typically this is the same contact with a different name or account information.
3. Tap the link icon on the **Connection** bar.
4. Tap the minus sign next to entry to be unlinked.
5. At the **Separate contact** prompt, tap **OK**.

   The contact is now separated and no longer displays as a merged record.

Marking a Contact as Default

When you use messaging a application, it needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the "default" number or entry.

1. From the Home screen, tap **Contacts** .
2. Tap a Contact name.
3. Press ➔ **Mark as default**.

   The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the selected contact turns green.
4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button turns green, then tap **Done**.

Synchronizing Accounts

1. From the Home screen, tap **Contacts** .
2. Press → **Settings** → **Contacts** then tap **Accounts**.
   If you have previously added accounts, the **Sync settings** prompt displays with these current accounts listed.
3. Tap an account to synchronize.
4. At the **Sync settings** screen, tap the options to synchronize for that account.
5. Tap **Sync now** to synchronize the account.
   The account is synchronized.
6. Press to return to the Contacts list.

Note: You can also synchronize your accounts using the Settings menu. For more information, refer to *"Synchronizing Accounts"* on page 154.

Contacts List Options

1. From the Home screen, tap **Contacts** then press .
2. The following options are displayed:
   - **Select**: Select entries by placing a check mark alongside a desired entry.
   - **Delete**: Delete one or more of your selected contacts.
   - **Business cards**: Import new business card information or access previously imported business cards.
     – Tap → to begin framing and photographing a new business card. This process automatically imports the information and updates either an existing contact or creates a new one.
   - **Merge accounts**: Merge account contacts from your accounts such as Google, Facebook, etc.
   - **Speed dial**: Set up speed-dialing.
   - **Send message or email**: Send a text /picture message or an email using your Google account.
   - **Link contacts**: Link the current contact to another contact. Similar to a "see also" feature.
   - **Settings**:

– **Call**: Provides quick access to the Phone settings menu.

– **Contacts**: Provides access to Contacts options such as Sort by, Import/Export, Contacts to display, etc.

- **Help**: Provides an onscreen Help file for Contacts.

Options at Selected Contact Screen

1. From the Home screen, tap **Contacts** .
2. Tap a contact and at the contact's display screen, press .
3. The following options are displayed:
   - **Delete**: Delete the currently active entry.
   - **Link contacts**: allows you to link the current contact to another current contact.
   - **Unlink contacts**: allows you to unlink contacts that have been linked. This option only appears if the contact has been linked.
   - **Mark as default**: allows you to mark one entry in a contact record to use as the default. For more information, refer to *"Marking a Contact as Default"* on page 63.
   - **Share name card**: Send contact information as an attachment using various applications.
   - **Send contact information**: Select specific elements of an existing contact, such as name, Mobile number, email, etc. and send it to a recipient via a text message. This option does not send the entire Contact entry, only the selected elements.
   - **Add to reject list**: Add a Contact's number to the reject list.
   - **Add shortcut to home screen**: Adds a shortcut to the current contacts to an available screen location.

Groups

Adding a Contact to a Group

1. From the Home screen, tap **Contacts** .
2. Tap the Contact that you want to add to a group.
3. Tap to edit.
4. Tap **Groups**.
5. Tap the group that you would like to add the contact to. You may select as many groups as you like.
6. Tap **Save**.
7. After returning to the main edit screen, tap **Save** again. The contact is added to the group.

Removing a Contact From a Group

1. From the Home screen, tap **Contacts** ➔ **Groups**.
2. Tap a group entry.
3. Press ➔ **Remove from group**.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap **Done**.

   The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap **Contacts** ➔ **Groups** ➔ **Create group**.
2. Tap the **Group name** field and use the onscreen keypad to enter a new group name. For more information, refer to *"Entering Text"* on page 39.
3. Tap **Group ringtone** to choose a ringtone for assignment to this new group. Tap a ringtone to hear how it sounds, then tap **OK**.

   – or –

   Tap **Add** to select a ringtone from your music files.
4. Tap **Group message tone** to choose an alert tone for assignment to this new group, then tap **OK**.
5. Tap **Group vibration pattern** to choose a vibration audio file for assignment to this new group, then tap **OK**.

   – or –

   Tap **Create** and follow the onscreen instructions to create your own vibration pattern.
6. Tap **Add member** to add contacts to the new group.
7. Tap each contact you want to add. You can also tap **Select all**.
8. Tap **Done**.
9. Tap **Save** to save the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap **Contacts** → **Groups**.
2. Tap a group entry.
3. Press → **Edit group**.
4. Make modifications to the **Group name**, **Group ringtone**, **Group message tone**, or **Group vibration pattern** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Done**.
7. Tap **Save** to save the edited Group category.

Contacts List Favorites

Once you have stored phone numbers in the Contacts list, you can add them to your Favorites list.

To view your Favorites list:

- From the Home screen, tap **Contacts** → **Favorites**.

Adding Favorites to your Contacts List

1. From the Home screen, tap **Contacts** → **Favorites**.
2. Press **Add to favorites**.
3. When the Contacts list is displayed, tap a contact to add to your favorites list. You may select more than one.
4. Tap **Done**.
5. A gold star will appear next to the contact image in the Contacts list.

Removing Favorites from your Contacts List

1. From the Home screen, tap **Contacts** .
2. Tap a contact you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Tap the gold star on the top of the display.
4. The gold star will change to a white star and the contact is removed from your Favorites list. The gold star will no longer appear next to the contact image in the Contacts list.

Deleting Contacts List Entries from the Phone

You can delete Phone Contacts entries from your phone's memory.

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to delete.
3. Tap **Delete** on the displayed list.
4. At the **Delete** prompt, tap **OK** to delete the contact or **Cancel** to exit.

Section 5: Messaging

This section describes how to send and receive different messages using the default Messaging app on your phone.

Types of Messages

Your default Messaging app provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and to indicate when messages are received. For more information, refer to *"Indicator Icons"* on page 20.

Creating and Sending Messages

This section describes how to create a send a message using the Messaging app.

1. From the main Home screen, tap **Messaging** ➔ **Compose**.

   – or –

   Tap **Apps** ➔ **Messaging** ➔ **Compose.**

2. Tap **Enter recipient** to enter a recipient or tap to select a recipient from your Contacts. You can also select the recipient based on Groups, Favorites, or Logs.

Note: Enter additional recipients by separating each entry with a semicolon (;).

3. If adding a recipient from your Contacts, tap the contact, then tap **Done**.

   The contact is placed in the recipient field.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

4. Tap the **Enter message** field and use the onscreen keyboard to enter a message. For more information, refer to *"Entering Text"* on page 39.
5. Add more recipients by tapping the recipient field.
6. Tap **Add emoticons** to choose an available emoticon from an onscreen list and then add it into your message (at the cursor location) if desired.
7. Review your message and tap **Send**.

Note: If you exit a message before you send it, it is automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap **Messaging** .

Note: Priority senders appear at the top of the main Messages screen.

2. Before composing a message, press to reveal additional messaging options:
   - **Select**: Select desired messages.
   - **Delete**: Deletes the entire message and its bubbles.
   - **Draft messages**: Displays the draft messages folder and its contents.
   - **Locked messages**: Displays the locked messages folder and its contents.
   - **Scheduled messages**: Displays the scheduled messages folder and its contents.
   - **Spam messages**: Displays the spam messages folder and its contents.
   - **Font size**: Configure the font size to use in your Messages application.
   - **Settings**: Access Messaging settings. For more information, refer to *"Messaging Settings"* on page 75.
   - **Help**: Allows you to get online help.

Options while composing a message

1. While composing a message, press to reveal additional messaging options.
   - **View contact**: Displays the Contact's Overview page. This option only displays if the message sender is in your contacts list.
   - **Add to contacts**: Add the recipient as a new Contacts entry. This option only displays if the recipient is not already in your Contacts list.
   - **Quick responses**: Displays your available preset text message reply templates.
   - **Insert smiley**: Insert smiley icons (emoticons).
   - **Preview** (only in MMS): Add preview the MMS message prior to delivery.
   - **Add slide**: Converts an SMS message into an MMS (Multimedia) message and allows you to attach an existing slideshow.

- **Schedule message**: Schedule a time for the current message to be delivered.
- **Duration (5 sec)** (only in MMS): Change the duration of the image slideshow.
- **Layout (bottom)** (only in MMS): Change the layout.
- **Discard**: Closes the current open message.
- **Font size**: Configure the font size to use in your Messages application.

Adding attachments to a message

To add an attachment to your message, tap and select one of the following options:

- **Image**: Add an existing image from your Pictures list to your message.
- **Take picture: Temporarily** exit the message, take a photo with phone's camera, and then add it to your message.
- **Video**: Choose an existing video from the Videos list, and add it to your message.
- **Record video**: Temporarily exit the message, record a video clip using the phone's camera, and then add it to your message.
- **Audio**: Choose an existing audio file from the Audio list, then add it to your message.
- **Record audio**: Temporarily exit the message and record an audio clip using the phone's microphone.
- **Memo**: Add a memo that you have created.
- **Calendar**: Add an event from your calendar.
- **My location**: Attach a Google Maps URL location indicating your current location.
- **Maps**: Attach both a thumbnail and Google Maps URL link indicating your current location.
- **Contacts**: Add an existing Contacts list entry to your message.

Viewing New Received Messages

1. When you receive a new message, the new message icon will appear at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Panel"* on page 38.

   – or –

   From the main Home screen, tap **Messaging** then tap the new message to view it.

   The selected message appears in the display.
3. To play a multimedia message, tap .
   - To pause playback of the multimedia message, tap .
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To access message thread options:

- From the main Messaging screen, touch and hold the message to display the following options:
  - **Delete**: Deletes the currently selected message thread.
  - **Add to spam numbers**: Adds the current sender to a spam list. Any new texts from this sender are automatically blocked.

To access additional Bubble options:

- Touch and hold the message bubble within an active message conversation to display the following options:
  - **Delete**: Deletes any currently selected message bubble from the thread.
  - **Copy text**: Copies the currently selected message bubble from the thread.

- **Forward**: Forward the currently selected message bubble to an external recipient.
- **Lock/Unlock**: Locks or unlocks the currently selected message bubble from being accidentally deleted.
- **Copy to SIM**: Copies the currently selected message bubble as a single text message to the SIM card.
- **Share**: Share the message with others using various apps.
- **View message details**: Display details for the currently selected message bubble.
- **Report as SPAM**: Register the number as spam.

Deleting Messages

To delete your messages, follow these steps:

1. From the main Home screen, tap **Messaging** .
2. Press ➔ **Delete**.
3. Tap each message you want to delete or tap **Select all**. A checkmark will appear beside each message you select.
4. Tap **Done**.
5. At the **Delete conversation** prompt, tap **OK** to delete.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap .
3. Use the onscreen keyboard to enter a word or phrase to search for, then tap .
4. All messages that contain the search string are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. From the main Home screen, tap **Messaging** ➔ ➔ **Settings**.
2. The following Messaging settings are available:
   - **Default messaging app**: Set your default messaging application.
   - **Display**:
     - **Bubble style**: Choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
     - **Background style**: Choose from several background styles for your messages.
     - **Change font size**: Change the text size by using the up or down volume keys.
   - **Quick responses**: Edit or add new quick responses to use in your messaging.
   - **Text messages**:
     - **Manage SIM card messages**: Manage the messages stored on the SIM card.
     - **Input mode**: Set the input mode for your text messages. Choose from: GSM Alphabet, Unicode, or Automatic.
     - **Message center**: Enter the number of your message center where your messages reside while the system is attempting to deliver them.
   - **Multimedia messages**:
     - **Group conversation**: Send a single message to multiple recipients.
     - **Delivery reports**: When activated, the network informs you whether or not your message was delivered.
     - **Auto retrieve**: Allows the message system to automatically retrieve messages.
     - **Set restrictions**: Allows you to select the creation mode. choose from **Restricted** (you can only create and submit messages with content belonging to the Core MM Content Domain), **Warning** (the device will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain), **Free** (you may add any content to the message.)
     - **MMS alert**: Alerts you when the messaging modes changes from an SMS (text) to MMS (multimedia) mode.

- **Delete old messages**: Deletes old messages when the limit is reached, rather than overwriting them.
- **Priority senders**: Activates or deactivates the priority sender feature.
- **Push messages**: Allows you to receive push messages from the network.
- **Cell broadcast**: Allows you to receive Cell broadcast messages. Touch and slide the slider to the right to turn it on .
  - **Select channels**: Allows you to set up the channel that you will receive CB messages on. You can also select My channel and add your own CB channel using the Add channel option below.
  - **Add channel**: Allows you to add your own CB channel.
- **Notifications**: Allows you to see message notifications on your status bar.
- **Emergency alerts**: Allows you to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS). For more information, refer to *"Emergency Alerts"* on page 77.
  - **Emergency alerts**: Allows you to set the alert types that you wish to receive.
  - **Emergency notification preview**: Allows you to play the emergency alert tone so you will know what to expect when an alert is received.
  - **Alert reminder**: Alows you to set reminders after you receive an alert. You can select Once, Every 2 minutes, Every 15 minutes, or Off (default).
- **Signature**: Configure message signatures. Touch and slide the slider to the right to turn it on .
  - **Edit signature**: Allows you to enter a desired signature for your message.
- **Spam filter**: When enabled, allows you to configure available spam settings such as:
  - **Add to spam numbers**: Allows you to manually enter and assign a phone number as being sent from a spam source.
  - **Add to spam phrases**: Allows you to assign a specific text phrase as belonging to a spam message. Ex: Dear friend.
  - **Block unknown senders**: When active, automatically blocks incoming messages from unknown sources or blocked numbers.

- **Delay message sending**: Allows you to set a time delay limit that determines how long the messages are held until they are sent. This can allow you to cancel the delivery of a recent message.
- **Safe mode**: Allows you to set security parameters for Messages. Choose from Allow access to all links and Potential threat alerts.

Emergency Alerts

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS) which may also be known as the Personal Localized Alerting Network (PLAN). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically targeted messages. Alert messages are provided by the US Department of Homeland Security and alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

- Alerts issued by the President
- Alerts involving imminent threats to safety of life (Extreme and Severe)
- AMBER Alerts (missing child alert)

Note: Alerts issued by the President can not be disabled.

Customers may choose not to receive Imminent Threats (Extreme and Severe) and AMBER Alerts. Alerts issued by the President can not be disabled. To disable Imminent Threats and AMBER Alerts, follow the instructions below:

1. From the main Home screen, tap **Messaging** .
2. Press → **Settings** → **Emergency alerts**.
3. Tap **Emergency alerts**.
4. All alerts are enabled by default. Tap on an alert option to disable the alert and remove the checkmark.

Section 6: Connections

This section describes the various connections your phone can make including Connecting your PC, Wi-Fi, NFC, Bluetooth, USB tethering, and Mobile Hotspot.

PC Connections

You can connect your device to a PC using your PC data cable using various USB connection modes.

Media device (MTP): allows you to transfer media files in Windows, or using an Android file transfer on a Mac.

Camera (PTP): allows you to transfer photos using the camera software, and transfer any files onto a PC that does not support MTP.

Note: To sync your device to your computer it is highly recommended that you install Samsung Kies which is available at http://www.samsung.com/kies (for Windows/Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting with your PC

For information on connecting your device with your PC, using USB 3.0 or 2.0, see page 8.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. On the PC pop-up, click **Open device to view files**.
3. Tap **Card** to see the contents on your memory card or tap **Phone** to see the contents on your phone.
4. You can now copy and move files back and forth between your PC and your phone.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity"and sometimes referred to as Wi-Fi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned on. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. If your Wi-Fi is off, from any Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON

.

Connect to a Wi-Fi Network

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.

   The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
2. Tap the network you want to connect to.

Note: When you select an open network, you will be automatically connected to the network.

3. Enter a wireless password if necessary.

Manually add your new network connection

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap **Add Wi-Fi network**.
3. Enter the **Network SSID**. This is the name of your Wireless Access Point.
4. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
5. If secured, you will also need to enter your WAP's password.
6. Tap **Show advanced options**, if you need to add advanced options such as Proxy settings and IP settings.
7. Tap **Connect** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF .

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap ➔ **Scan**.

   All available Wi-Fi networks are displayed.

Smart network switch

Smart network switch allows your device to automatically switch between a Wi-Fi network and a mobile network.

1. From the main Settings screen, tap **Wi-Fi**.
2. Tap **Smart network switch** to create a checkmark and activate the feature.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when there is a Wi-Fi access point available but you are not connected to it. May also display if there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 82.

Wi-Fi Advanced Settings

The Advanced Wi-Fi menu allows you to set up many of your device's advanced Wi-Fi services.

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap ➔ **Advanced**.

   The following options are available:

   - **Network notification**: alerts you when a new WAP is available.
   - **Passpoint**: allows you to connect to passpoint-enabled Wi-Fi Access Points automatically.
   - **Sort by**: allows you to sort by alphabetical order or signal strength.
   - **Keep Wi-Fi on during sleep**: allows you to specify when to disconnect from Wi-Fi.
   - **Always allow scanning**: allows the Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
   - **MAC address**: view your device's MAC address, required when connecting to some secured networks (not configurable).
   - **IP address**: view your device's IP address.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From any Home screen, tap ➔ **Settings** ➔ **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .
3. Tap ➔ **Wi-Fi Direct**.

   Your phone automatically scans for other Wi-Fi Direct devices.
4. Repeat **steps 1 - 3** on the other device you want to connect with. The steps on a different model of phone, may be different.
5. Once the device you want to connect to is displayed, tap on it.
6. The other device has 2 minutes to tap **Accept** for the connection to be made.

7. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.
8. Tap for additional options.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share, Share via,** or **Send via** option.
2. Tap the **Wi-Fi Direct** option.
3. Tap the connected device name. For example, Android_49a.
4. Tap **Done**.
5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found at **Apps** ➔ **My Files** ➔ **Device storage** ➔ **Download** folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as S Beam. To activate NFC on your device, see *"NFC"* on page 137.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more. For more information, refer to *"Android Beam"* on page 137.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more. For more information, refer to *"S Beam"* on page 137.

Tap and pay

Tap and pay allows you to select the default payment application you want to use for making on-phone purchases. For more information, refer to *"Tap and pay"* on page 137.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From any Home screen, tap → **Settings** → **Bluetooth**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON ON. When active, appears within the Status area.

To turn Bluetooth off:

1. From the Home screen, tap → **Settings** → **Bluetooth**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF OFF.

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Displays when Bluetooth is connected (paired) and communicating with another device.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices

To access the Bluetooth Settings menu:

1. From the Home screen, tap ➔ **Settings** ➔ **Bluetooth**.
2. Verify your Bluetooth is ON .

To change your Bluetooth name:

1. From the Home screen, tap ➔ **Settings** ➔ **Bluetooth**.
2. Tap ➔ **Rename device**.
3. After the **About device** screen displays, tap **Device name**.
4. Use the keyboard to modify your device name and tap **OK**.

To make your device visible:

1. From the Home screen, tap ➔ **Settings** ➔ **Bluetooth** ➔ ➔ **Visibility timeout**.
   - Making your device visible allows it to be detected by other devices for pairing and communication.
2. Select a time that you would like your device visibility to timeout.

To show received files:

- From the Home screen, tap ➔ **Settings** ➔ **Bluetooth** ➔ ➔ **Received files**.

  A list of all files received from Bluetooth is displayed.

To scan for Bluetooth devices:

1. From the Home screen, tap ➔ **Settings** ➔ **Bluetooth**.
2. Verify your Bluetooth is ON .
3. From the Bluetooth settings page, tap **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap **Scan**. Your device will display a list of discovered in-range Bluetooth devices.

3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.
   Once successfully paired to an external device, appears within the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a paired device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a paired device (unpair)

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap next to the previously paired device. This opens the connected device's menu options.
3. Tap **Unpair** to delete the paired device.
4. Tap **Rename** to change the name of the paired device.
5. Tap **Call audio** to enable or disable call audio from the paired device.
6. Tap **Media audio** to enable or disable media audio from the paired device.

Section 7: Applications

This section contains a description of each application that is available in the Apps Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Note: This manual only addresses applications that have been loaded on your device as of the date of purchase. Information concerning third party applications that you may choose to download from the Google Play Store or otherwise should be obtained from the application provider directly and not from Samsung.

Tip: To open applications quickly, add the icons of frequently used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 31.

- To access the Applications, tap **Apps** from any Home screen.

Calculator

With this feature, you can use the device as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.

1. From the Home screen, tap → **Calculator**.
2. Enter the first number using the onscreen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding onscreen arithmetic function key.
4. Enter the second number.
5. To view the result, tap the equal sign (**=**).
6. To view calculator history, tap located at the top right of the calculator buttons. A history of your past calculations is displayed. Tap to display the calculator keypad.
7. Turn your phone sideways to the landscape position to display the scientific calculator.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. From the Home screen, tap → **Calendar**.
2. To change your calendar view tap Month at the top left of your screen and select one of the following:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Month and agenda**: displays the Month view with your events listed at the bottom.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **Agenda**: displays a list of your Events.
3. Tap (**Create event**) to create a new Calendar event.
4. Tap **Today** to display the current date indicated by a blue box.
5. Tap and select one of the following options:
   - **Go to**: displays a specific date.
   - **Delete**: allows you to delete All events, All events before today, or an individual event.
   - **Search**: allows you to search within your current events.
   - **Calendars**: allows you to view the current Calendar accounts.
   - **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
   - **Settings**: displays a list of configurable settings.

Calendar Settings

1. From any Calendar view, Tap → **Settings**.
2. Tap **First day of week** and select either **Local default, Saturday, Sunday** or **Monday**.
3. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.
4. Tap **Show week numbers** to display the week numbers along the side of the week entries.
5. Tap **Hide declined events** to activate this option. A check mark indicates selection.
6. Tap **Hide completed tasks** to activate this option. A check mark indicates selection.

7. Tap **Weather** to have weather symbols displayed on your calendar. A check mark indicates selection.
8. Tap **Set alert type** to adjust the event notification method. Choose from: **Pop-up notifications**, **Status bar notifications**, or **Off**.
9. Tap **Notification sound** to assign a ringtone to a calendar event notification.
10. Tap **Vibration** to set the Event notification tone to vibrate.
11. Tap **Quick responses** to select quick responses to emailing guests.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 16 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

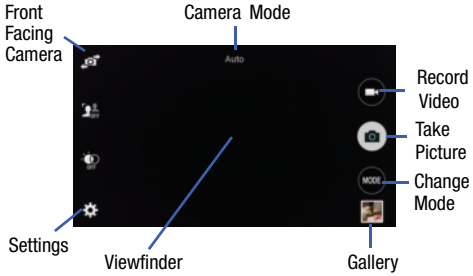
Using the Camera

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From the main Home screen, tap **Camera** to activate the camera mode.

2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. If desired, before taking the photo, you can tap onscreen icons to access various camera options and settings.
4. You can also tap the screen to move the focus to the area you touch.
5. Press the Camera key until the shutter sounds. (The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.)
6. You can also use the **Up** and **Down** Volume keys to take pictures. Press rapidly for continuous shooting.
7. Pinch the screen to zoom out or pinch outwards to zoom in.



8. While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.

   You can magnify the picture up to x4.
9. Press to return to the viewfinder.

Camera Modes

There are many different camera modes that you can use to help optimize your photos depending on the conditions and your experience.

1. From the camera viewfinder, tap the Mode button to change the mode to one of the following:
   - **Auto**: Automatically adjusts your camera to optimize color and brightness. This is the default setting
   - **Beauty face**: Use this to take photos with lightened faces for gentler images.
   - **Panorama**: use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
   - **Virtual tour**: use this to mode to take a virtual 3D shot of your surroundings. Follow the onscreen instructions.
   - **Dual camera**: allows you to activate both the front and rear cameras simultaneously.
   - **Shot & more**: use this burst shot mode to combine the best of burst shots with other features. Effects can be directly applied right after taking these pictures. The following effects are available in this mode, Best photo, Best face, Eraser, Drama, and Panning shot.
     - **Best photo:** use this to take multiple photos in a short time, and then choose the best photos among them.
     - **Best face**: use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Shutter button to take multiple photos. When Gallery opens, tap the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, tap Done to merge the images into a single photo, and tap Save.
     - **Eraser**: saves the best of 5 taken pictures and removes any passers by.
     - **Drama shot**: use this to take a series of photos of a moving object and then merge them together into one image.
     - **Panning shot**: use this to take wide photos.
   - **Manage Modes**: allows you to choose the modes present on your camera.

- **Download**: allows you to download various camera features from Samsung Apps.

Taking Dual Camera Photos

With the Dual Camera feature, you can take a picture with both the front and rear cameras at the same time.

To take a Dual Camera picture:

1. From the camera viewfinder, tap the Mode icon MODE then tap **Dual camera**.

   The camera viewfinder displays an image from the front-facing camera within a postage stamp picture frame on top of the main image displayed from the rear-facing camera.

2. Press the Camera key to take the picture.

To resize the front camera image:

- Touch the postage stamp picture frame until the resize handles appear, then drag a corner to enlarge the image.

To reposition the front camera image

- Touch the postage stamp picture frame to detach it and then move it to a desired location.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

1. From the viewfinder, tap .
2. The following settings are available:
   - **Picture size**: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
   - **Burst shots**: Allows several photographs to be captured in quick succession by touching and holding the Camera button.
   - **Picture stabilization**: Enable the stabilization feature to help adjust for jitter during picture taking.
   - **Face detection**: Adjust the camera focus based on face detection technology.
   - **ISO**: Determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.

- **Metering modes**: Set how the camera measures or meters the light source: Center-weighted, Matrix, or Spot.
- **Tap to take pics.**: Enable the ability to also take images by tapping on the screen.
- **Selective focus**: Automatically adjusts your pictures so that the objects you want are in focus.
- **Video size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory. Highest quality is **UHD** (4K video)
- **Recording mode**: Select a resolution for videos. Choose from: Normal, Limit for MMS, Slow motion, Fast motion, or Smooth motion.
- **Video stabilization**: Activate or deactivate Optical Image Stabilization.
- **Audio zoom**: Enable the feature where the device can focus on an audio source that is not directly in front of the device.
- **Effects**: Provides access to pre-installed and downloaded effects. Default effects include: No effect, Vignette, Vintage, Faded color, Grayscale, Sepia, Tint, Turquoise, Cartoon, Fisheye, Moody, Oil pastel, Rugged, Download (additional effects), and Manage effects.
- **Flash**: Activate or deactivate the flash.
- **Timer**: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.
- **HDR**: Use this to take photos with richer colors and contrasts by merging images taken at different exposure levels.
- **Location tag**: Attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.
- **Storage**: Select the memory location for storage.
- **Review pics/videos**: Set this option if you want to view each picture after you take it. Select a time value.
- **Remote viewfinder**: Activates/deactivates the feature that allows you to take pictures using the viewfinder of a Wi-Fi direct connected device.

- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: Adjust the brightness level by moving the slider.
- **Guide lines**: Display viewfinder guides to help composition when selecting subjects.
- **Shutter sound**: Turn the shutter sound on or off.
- **Voice control**: Activates/deactivates voice control feature that allows you to verbally take a photo.
- **Help**: Provides an onscreen set of help topics.
- **Reset**: Reset the camera settings.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 102.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap **Camera** to activate the camera mode.
2. Using the camera's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
3. Before you take a video, use the Volume control buttons to zoom in or out. You can magnify the video up to x4 (400 percent).

4. Tap the Video key ( ) to begin shooting video. The red light will blink while recording.
5. You can tap the screen to move the focus to the area you touch.
6. Tap the Pause key ( ) to stop the recording and save the video file to your Camera folder.
7. Tap the Stop key ( ) to stop the recording and save the video file to your Camera folder.
8. Once the file has been saved, tap the image viewer, then tap to play your video.
9. Press to return to the viewer.

Viewing your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video player. For more information, refer to *"Gallery"* on page 102. Also, see *"Video"* on page 127.

ChatON

With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client will allow the easy sharing of content and conversations between your phone and PC.

1. From the Home screen, tap → **ChatON** .
2. Sign on to your Samsung account if you have not already done so. For more information, refer to *"Creating a Samsung Account"* on page 13.
3. Read the introduction and tap **Next**.

Note: The first time you use the ChatON app, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update** then follow the onscreen instructions. For more information, refer to *"Play Store"* on page 119.

4. Follow the onscreen instructions to register and use the ChatON app.

For more information, visit: https://web.samsungchaton.com.

Chrome

The Google Chrome app allows you to use the Google Chrome web browser on your phone.

1. From the Home screen, tap ➔ **Chrome** .
2. Read the Google Chrome Terms of Service and tap **Accept and Continue**.
3. If you have an existing Chrome account, tap **Sign in** to bring your open tabs, bookmarks, and omnibox data from your computer to your phone, otherwise tap **No thanks**.
4. Follow the onscreen instructions to use Google Chrome.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and set up your desk clock.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap ➔ **Clock** ➔ **Alarm** ➔ **Create alarm** .
2. Tap (Up) or (Down) to set the new time for the alarm to sound. Tap AM or PM.
3. The following settings are available:
   - **Repeat weekly**: Tap the Repeat weekly checkbox to have the alarm repeat on the same day every week.
   - **Alarm type**: Sets the way in which the alarm sounds when activated (Sound, Vibration, or Vibration and sound).
   - **Alarm tone**: Sets the sound file which is played when the alarm is activated. Select an option or tap Add for additional options.
   - **Alarm volume**: Drag the slider to adjust the alarm's volume.
   - **Snooze**: Use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Tap the ON/OFF slider to activate.
   - **Smart alarm**: Tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Interval and the Tone. Tap the ON/OFF slider to activate.

- **Name**: Allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.

4. Tap **Save** to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and sweep the zZ icon to the left. Snooze must first be set in the alarm settings. For more information, refer to *"Alarm"* on page 97.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap → **Clock** → **Alarm**.
2. Press and hold any alarm. All of your alarms are displayed in a list. Tap the alarms you wish to delete to create a green checkmark then tap . Tap **Select all** to delete all alarms.
3. Tap **Undo** if you would like to undelete an alarm you just deleted.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Home screen, tap → **Clock** → **World Clock**. The clock for your time zone is displayed.
2. Tap **Add city** to add another city to the World Clock.
3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.
6. Select **Automatic**, **Turn off**, or **Turn on**.
7. If Daylight Savings Time is selected, will appear next to the World Clock listing.

Deleting a World Clock Entry

1. From the Home screen, tap ➔ **Clock** ➔ **World Clock** ➔ ➔ **Delete**.
2. Tap the city clocks you wish to delete to create a checkmark.
3. Tap **Delete**. Tap **Select all** to delete all World Clocks.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap ➔ **Clock** ➔ **Stopwatch**.
2. Tap **Start** to start the stopwatch and tap **Lap** to mark a unit of time per lap.
3. Tap **Stop** to stop the stopwatch.
4. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap ➔ **Clock** ➔ **Timer**.
2. To change the time, tap the time inside the circle. The **Seconds** field is highlighted and set to 30 seconds. Use the keypad to set the number of seconds you want.
3. Tap the **Minutes** field to set minutes.
4. Tap the **Hours** field to set hours if desired. As you tap different fields, they will become highlighted.
5. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
6. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

Contacts

You can manage your daily contacts by storing their name and number in your Contacts list. Contacts entries can be sorted by name, entry, or group.

You can also synchronize your phone Contacts list with accounts linked to your phone, such as your Google account.

For more information, refer to *"Contacts"* on page 59.

Drive

With the Google Drive application, everything that you add to your Drive from work or home is also available on your device. You can create and edit documents on your device and the changes are saved everywhere.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 13.
2. From the Home screen, tap ➔ **Drive** .
3. Follow the onscreen instructions to use Google Drive.

Email

Email enables you to review and create email using various email services. You can also receive message alerts when you receive an important email.

Creating an Email Account

1. From the Home screen, tap **Email** .

   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Next**.
6. At the **Account options** screen, tap any of the options you would like.
7. Tap **Next**.
8. Enter a name for this email account (optional).
9. Tap **Done**.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap **Email** .

   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. If you want all of your emails sent from this email account by default, tap the checkbox to create a checkmark. This checkbox only appears if you have previously set up an email account.
6. Tap **Manual setup**.
7. Tap the **Microsoft Exchange ActiveSync** field.
8. Enter all the Exchange server information, Domain, User name and Password, then tap **Next**.
9. At the **Activation** prompt, tap **OK**.

   The **Account options** screen is displayed.
10. Enter the desired information in the different fields, then tap **Next**.
11. Enter an Account name for this account (Optional) and tap **Done**.

    Wait for the Inbox to synchronize before use.
12. Press → **Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap **Email** .

   Your Email screen displays showing your emails from the active account.
2. Press → **Settings**.
3. Tap **Add account** to add another email account.
4. Enter the information required to set up another account.

Switching Between Email Accounts

1. From the Home screen, tap **Email** .
   Your Email screen displays showing your emails from the active account.
2. Tap the Inbox button Inbox at the top of your screen.
   Your Email accounts screen is displayed.
3. Tap the Email account **Inbox** you would like to switch to. You can also select **Combined inbox** which will display email messages from all accounts.
4. The new Email account is displayed.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the Home screen, tap → **Flipboard** .
2. Swipe the screen up and select some onscreen categories that you are interested in, then follow the onscreen instructions to build your flipboard.
   – or –
   Tap **Tap to create or sign in** to log into your previously created profile.
3. Follow the onscreen instructions.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. Tap → **Gallery** .
   All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.
2. Tap an Album and thumbnails of the contents will be displayed.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My Files** or other file management applications and try again. For more information, refer to *"My Files"* on page 117.

Viewing Pictures

1. From the main gallery, press → **Slideshow** to see a slideshow of all of your pictures.
2. Tap a thumbnail to view a single picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

3. The following options are available at the top of the screen when your phone is held horizontally:
   - **Change player**: allows you to change the device the picture is displayed on if you are using Samsung Link.
   - **Share via**: allows you to share the picture via various applications.
   - **Delete**: allows you to delete the picture.
   - **Camera**: activates the camera.
4. Press for additional options.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap to play the video.
3. Press for additional options.

For video player controls, see *"Video"* on page 127.

Using S Beam to Share Pictures

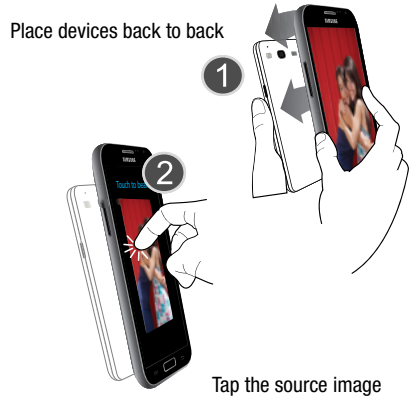
This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your Music, and more.

1. From the Home screen, tap → **Settings** → **NFC**.
2. If not already active, in a single motion touch and slide the **NFC** slider to the right to turn it on .

3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, in a single motion touch and slide the **S Beam** slider to the right to turn it on ON.
5. On the source device (containing the desired image or video), tap → **Gallery**.
6. Locate and tap the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.

7. Place the two active NFC enabled devices back to back to begin.



8. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.

Note: If the **Touch to beam** screen does not appear on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

9. When prompted, separate the two devices. After a few seconds (depending on file size) the recipient will then see the transferred file displayed on their screen.

To share multiple pictures via S Beam:

1. On the source device (containing the desired image or video), tap ➔ **Gallery** .
2. Locate the selected folder.
3. Touch and hold the first image and place a checkmark on it and all desired images.
4. Place the two active NFC enabled devices back to back to begin.
5. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.
6. When prompted, separate the two devices.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for pictures that you take on your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the picture.

1. From the Home screen, tap ➔ **Gallery** .
2. Select a folder location and tap a file to open it.
3. With the image displayed, press ➔ **Edit** to launch the Photo editor.

Note: To select the picture area, touch and hold the current picture.

4. Use the following editor controls to edit your picture:

Previous: lets you undo the current operation.

Next: lets you redo the previous operation.

Cancel/Delete: exits the current photo editing session.

Save: stores the currently edited photo.

Adjustment: provide the following adjustment options:

- **Rotate**: allows you to rotate a photo in all 4 directions. You can also mirror image a photo.
- **Crop**: allows you to crop (cut-out) an area of a photo.
- **Resize**: allows you to crop (cut-out) an area of a photo.

Tone: provide the following tonal options: Brightness, Contrast, Saturation, Red, Green, Blue, Temperature, and Hue.

Effect: allows you to add various effects to your photo.

Portrait: allows you to apply various face correction effects such as: Remove red, Brighten face, Airbrush, or Out-of-focus.

Decoration: provides creative features such as: Sticker, Label, Frame, Drawing, and Image.

5. Press to access the following options:

- **Clipboard**: Allows you to select images from your clipboard to add to your picture.
- **Share via**: Allows you to share your saved photo via various applications.
- **Set as**: Assigns the currently saved image as either a: Contact photo, Home and lock screens, Home screen, Lock screen, or wallpaper.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 13.
2. From the Home screen, tap → **Gmail** .
3. Follow the onscreen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, tap at the bottom of the screen to create a new message.
2. Enter the recipients Email address in the **To** field. Separate multiple recipient email addresses with a comma.
3. Tap and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.
5. Tap the **Compose email** field and begin composing your message.
6. Tap to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. Press for additional options.

Google

The Google Search application provides you an onscreen Internet search engine powered by Google™.

The Google Search application is the same onscreen Internet search engine that is on the Google Search Bar on your main Home screen.

1. From the Home screen, tap ➔ **Google**.
2. Use the onscreen keypad to enter the item you want to search for, then tap .
3. Tap to use Google Voice Search. Follow the onscreen instructions.

Google Settings

As Google has become more intertwined with other applications, this menu provides a quick and ready access point to configure preferences for Google+, Location, etc. You can also use the Search function to initiate a Google Search from this menu.

1. From the Home screen, tap ➔ **Google Settings** and select an onscreen option.
2. Follow the onscreen prompts to modify your Google Settings.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 13.
2. From the Home screen, tap ➔ **Google+** .
3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
4. Follow the onscreen instructions to use Google+.
5. Visit www.google.com/mobile/+/ for more information.

Hangouts

Hangouts is a free Windows and web-based application for instant messaging offered by Google. You can connect with your friends across computers and various Android devices. You can have conversations or video calls with up to 10 friends.

Note: The first time you use Hangouts, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to *"Play Store"* on page 119.

1. Log on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 13.
2. From the Home screen, tap ➔ **Hangouts** .
3. The first time you access Hangouts, tap **Confirm** to confirm your mobile number. If the number is not correct, tap **Edit Number** to change it.
4. Begin using Hangouts.
5. Press ➔ **Help** for more information on using Hangouts.

Internet

The Internet is your access to the mobile web. This section explains how to navigate your Internet Browser and introduces you to the basic features.

Accessing the Mobile Web

To access the Browser:

- From the Home screen, tap **Internet** .
  The Quick access homepage displays.

Navigating with the Browser

1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To return to a previous page, press .
5. To move forward to a web page, press .

Browser Options

- From any web page, press to access your browser options.

Internet Settings

- From any web page, press → **Settings** to access your Internet settings. For more detailed information, see *"Internet"* on page 181.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **Search or enter URL** field at the top of your screen.
2. Enter the URL using the onscreen keypad.

   The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. Tap the **Search or enter URL** field at the top of the browser.
2. Enter the keyword(s) to search using the onscreen keypad and tap **Go**.
3. Tap a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, tap → **New window**.

   A new browser window is opened.
2. Tap (**Windows**) to see thumbnails of all open windows.
3. Tap a window listing to open up that Internet window.
4. Tap at the top right corner of the web page thumbnail to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser, tap ➔ **Incognito mode**.
2. At the information prompt, tap **OK**.
3. A new browser window displays.

To exit from the incognito window:

1. From your browser window, tap **Windows**.
2. Scroll across the available windows and locate the incognito window. The incognito icon appears in the upper-left of the new browser window while you are in this mode.
3. Tap next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, tap **Bookmarks** located at the bottom right of the screen.

   The Bookmarks page is displayed.
2. Press to display the Bookmark options.

Adding Bookmarks

1. From any webpage, tap ➔ .
2. Use the onscreen keypad to enter the Name, Address, and Location.
3. Tap **Save**.
4. **Saved to bookmarks** will appear at the bottom of the page.

Maps

Depending on your location, you can view basic, custom, and satellite maps. As well as local business information, including contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have an active data connection. The Maps application does not cover every country or city.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap ➔ **Maps** .
2. Follow the onscreen instructions to use the Maps application.

Memo

The Memo application allows you to write memos that can include text, audio, and images.

1. From the Home screen, tap ➔ **Memo** .
2. Tap **Options** to reveal available Memo categories or Manage categories.
3. Tap **Search** to search for a matching text string within your available memos.

   – or –

   Tap **Tap to create memo** to create a new memo.

   – or –

   Tap **Menu** and select one of the following options:

   - **Select**: allows you to select an available memo.
   - **Delete**: allows you to delete selected memos.
   - **Account**: allows you to access an available account.

Messaging

You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 69.

Music

Music is an application that can play music files. Music supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching Music allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. Tap → **Music** .
2. Tap a library category at the top of the screen (Songs, Playlists, Albums, Artists, Music square, or Folders) to view the available music files.
3. Scroll through the list of songs and tap an entry to begin playback.
4. The following Music controls are available:

Pause the song.

Start the song after pausing.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to go to next song.

Volume control and SoundAlive.

Volume control showing volume muted.

Plays the entire song list once.

Replays the current list when the list ends.

Repeats the currently playing song.

Shuffles the current list of songs randomly.

Songs play in order and are not shuffled.

Lists the current playlist songs.

Create a new playlist.

Assign the current song as a Favorite.

Streams the current music file to another device via Samsung Link.

Music Options

To access additional options, follow these steps:

1. While in Music, press .
2. The follow options are available before you play music:

Note: The following options may or may not appear depending on whether or not music is actually playing. Also, options will be different if the song you are listening to is in a playlist.

- **Listen via Bluetooth**: Scans for devices and pairs with a Bluetooth headset.
- **Set as**: Allows you to set the music file as a ringtone or alarm tone.
- **Settings**: Allows you to change your Music settings. For more information, refer to *"Music Settings"* on page 114.
- **Details**: Displays details about the music file such as Title, Artist, etc.

Music Settings

The Music Settings menu allows you to set preferences for the Music app such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap ➔ **Music** .
2. Press ➔ **Settings**.
3. Select one of the following settings:
   - **Tabs**: Allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
   - **Playlists**: Allows you to determine which playlists are displayed.
   - **SoundAlive**: Set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
   - **Adapt Sound**: Set Adapt Sound on when your are listening with earphones to alert of incoming calls and notifications.
   - **Play speed**: Set the play speed anywhere between 0.5X and 2.0X using the slider.

- **Music auto off**: When activated, music will automatically turn off after a set interval.
- **Lyrics**: When activated, displays lyrics when available.
- **Smart volume**: Automatically adjusts each track's volume to an equal level.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap ➔ **Music** .
2. Tap the **Playlists** tab.
3. Press ➔ **Create playlist**.
4. Type a name for this playlist in the field and tap **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap ➔ **Music** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap to add music.
5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap ➔ **Music** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press ➔ **Remove**.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap ➔ **Music** .
2. Tap **Playlists**.
3. Press ➔ **Edit title**.
4. Tap a playlist name to edit.
5. Enter a new name for the playlist then tap **OK**.

For information on downloading music for your phone, see *"Play Music"* on page 118.

My Cricket

The My Cricket application allows you to manage your own Cricket account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

1. From the Home screen, tap ➔ **My Cricket** .
   The **My Cricket** page is displayed.
2. Read the Terms and Conditions and tap **Accept** to continue.
3. Enter your **User ID** and **Password** using the onscreen keypad, then tap **Login**.
4. Follow the onscreen instructions.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap ➔ **My Files** .
2. Tap **Device storage** to see the contents of your internal SD card.

Note: If you do not have an external SD card inserted, this option will not display. All files shown will be from your internal storage.

Note: Different folders may appear depending on how your phone is configured.

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3. If you have an external SD card inserted, tap **SD memory card** to see the contents of your external SD card (memory card).

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 46.

Photos

This application provides a means for automatically backing up your photos and videos to a centralized Google cloud location.

1. From the Home screen, tap ➔ **Photos**.
2. Follow the onscreen prompts to configure a connection method and other related parameters.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap ➔ **Play Books** .
2. Follow the onscreen instructions for using the Play Books application.

Play Games

This application takes you directly to the Play Store Games area where you can download games.

1. From the Home screen, tap ➔ **Play Games** .
2. Select an available onscreen option and follow the onscreen instructions.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time.

1. From the Home screen, tap **➔Play Movies & TV** .
2. Following the onscreen instructions for renting and viewing movies and TV shows.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap **➔ Play Music** .
2. At the Google play screen, tap **Add account** if you have not previously used Play Music, and follow the onscreen instructions to create your account and use Play Music.

Play Newsstand

With Google Play Newsstand, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place.

1. From the Home screen, tap **➔ Play Newsstand** .
2. Log on to your Google account if you have not already done so. For more information, refer to *“Creating a New Google Account”* on page 13.
3. Sweep the screen to the left or right to view various categories.
4. Tap a magazine to see more information and subscribe.
5. Follow the onscreen instructions to subscribe to a magazine.

Play Store

Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store you must have a Google Account. For more information, refer to *"Gmail"* on page 107.

1. From the main Home screen, tap **Play Store** .
2. Sign in to your Google account.
3. The first time you sign in, the Play Store Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap **Apps** or **Games** to download or purchase games or applications. You can also download updates to existing applications.
5. Follow on the onscreen instructions.

POLARIS Office 5

POLARIS® Office Mobile for Android is a Microsoft Office compatible software suite. This application provides a central place for managing your documents online or offline. The application can also open Adobe PDF (Portable Document Format) files.

1. From the Home screen, tap ➔ **POLARIS Office 5** .
2. Enter your Email information (if desired) and touch **Register** to complete the process.

   – or –

   Touch **Skip** to ignore this registration.

   The main POLARIS Office 5 screen displays.
3. Follow the onscreen instructions to use POLARIS Office 5.

S Health

S Health is a wellness application that allows you to better manage your health by providing you with relevant information.

1. From the Home screen, tap → **S Health** .
2. Read the introduction and tap **Next**.
3. Read the Use of S Health, Connecting Third Party Devices and Programs, Information Used, Proprietary Rights and Licences, and Disclaimer of Warranty.
4. Tap the **I agree** checkbox.
5. Tap **Next**.
6. Sign in to your Samsung account if you have not already done so. For more information, refer to *"Creating a Samsung Account"* on page 13.
7. Follow the onscreen instructions to use S Health.

Before You Start Exercising

This app can be used to monitor your exercise. While moderate physical activity, such as brisk walking, is safe for most people, health experts suggest that you talk with your doctor before you start an exercise program, particularly if you have any of the following conditions:

- Heart disease;
- Asthma or lung disease;
- Diabetes, or liver or kidney disease;
- Arthritis.

You should also check with your doctor if you have symptoms suggestive of heart, lung, or other serious disease, such as:

- Pain or discomfort in your chest, neck, jaw, or arms during physical activity;
- Dizziness or loss of consciousness;
- Shortness of breath with mild exertion or at rest, or when lying down or going to bed;
- Ankle swelling, especially at night;
- A heart murmur or a rapid or pronounced heartbeat;
- Muscle pain when walking upstairs or up a hill that goes away when you rest.

Finally, the American College of Sports Medicine recommends that you see your doctor before engaging in vigorous exercise if two or more of the following apply:

- You are a man older than age 45 or a woman older than age 55;
- You have a family history of heart disease before age 55;
- You smoke or quit smoking in the past six months;
- You have not exercised for three months or more;
- You are overweight or obese;
- You have high blood pressure or high cholesterol;
- You have impaired glucose tolerance, also called pre-diabetes.

When in Doubt - Check it Out

If you are unsure of your health status, have several health problems, or are pregnant, you should speak with your doctor before starting a new exercise program. Working with your doctor ahead of time is a good way to plan an exercise program that is right and safe for you. Consider it the first step on your path to physical fitness.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap ➔ **S Voice** .

For more information, refer to *"S Voice"* on page 183.

Samsung Apps

With Samsung Apps, you can download hundred of applications from a variety of categories.

1. Sign on to your Samsung account if you have not already done so.
2. From the Home screen, tap ➔ **Samsung Apps** .
3. Tap an application that you would like, then tap **Free** or **Price** (depending on whether it is free or not).
4. Tap **Accept and download**.

   The application is downloaded to your device. You can find the app icon in your app menu.
5. Press ➔ **Help** for additional information.

Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 130.

Smart Remote

Important! Before initiating use, verify you have an active Internet connection available (either mobile network or Wi-Fi connection).

Note: Before beginning your initial Smart Remote application setup, confirm your TV is turned off.

For more information, refer to www.samsungwatchon.com.

Initial Configuration

1. Sign into your Samsung account.
2. From the Home screen, tap ➔ **Smart Remote** .

Note: If you are not connected to an active Wi-Fi, you may be prompted to continue the set up process via a mobile network. Click **Connect** to proceed.

3. Select your desired country or region for your TV Guide's source listing.

4. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.
5. From the **Find your TV service** screen, select a service provider from the available channel listing.
6. From the **Personalize** screen, you can either follow the onscreen prompts to personalize your desired content or tap **Skip** to continue without customizing your content.
7. Read the onscreen Peel Disclaimer agreement and tap **Agree** to complete the set up process.

Customizing Your Remote

1. From the top of the main screen, tap (**Remote Control**) ➔ **Continue**.
2. From the **Select your TV brand** screen, tap your TV's manufacturer name.
   - If you have a brand of TV not listed or you are using a projector, select from one of the following two options. Choose from either **Show other brands** or **I have a home projector**.
3. Aim your device at the TV and tap (**Power**) to confirm the set up process completed successfully and the correct TV IR codes were selected.

Note: The process of the initial TV activation can take up to 10 seconds. Please do not press the button again.

4. If the TV turned on, tap **Yes, this code 1 works**.
   – or –
   If the TV did not turn on after tapping (**Power**) and waiting 10 seconds, tap **No, test next code 2** or **Send this code 1 again**.
5. From the **Select your channel source** screen, select the entry that corresponds to your current channel control method:
   - **Set-top Box**: selected when changing channels is done via a receiver box. Channels are not changed via the TV remote but rather through the receiver/box.
   - **My xxx TV**: selected when a signal is fed directly into the TV and no box is used. Channels are changed directly on the TV by using the TV remote and not a box's remote.

Note: Try matching your current channel selection method.

6. Select the Satellite Box Brand from the available list. For example, DirectTV®.
   - If your brand does not appear in the list, tap **Show other brands** and follow the onscreen instructions.

Important! You must configure your set top box for IR communication with your device. If you do not select **More info** below and follow the onscreen instructions you may not be able to properly use the application.

7. When prompted to Enable IR, tap **More info** to learn how to configure your set top box to receive and respond to IR controls.
8. Only after completing the IR setup process and programming your box, press ⮌.

Note: This IR programming of your set top box is a one-time process and once successful should not need to be repeated.

9. If prompted to personalize your experience, follow the onscreen instructions.

Using Smart Remote

To change channels:

1. Sign into your Samsung account.
2. From the Home screen, tap ➔ **Smart Remote** .
3. From the top of the main screen, tap (**Remote Control**). This launches an onscreen remote control.
   - **Easy remote**: provides the most common used control features. Scroll down to view additional functions.
4. In a single motion touch and drag up from the bottom-right of the screen to access additional remote tabs Choose from one of the following:
   - **TV**: provides access to control functions specific to your TV.
   - **[Set top box]**: displays customized control specific to your configured set top box. Ex: satellite dish remote control functions.

5. From the remote screen press and then tap (**Change room**) to choose from different receivers/boxes in different rooms. Ex: Living Room box, Bedroom box, etc.
6. Press ⮌ (**Back**) to return to the main menu.

Locating your favorite programming:

1. Sign into your Samsung account.
2. From the main Smart Remote screen, tap (**Combined View**) to reveal available media categories.
3. Select an available category.

   – or –

   Tap **Channel Guide** to display on your TV an onscreen listing of available set top box shows.

Smart Remote Settings

- From the main Smart Remote screen, press and then select an available onscreen option:
  - **Change room**: allows you to select a previously configured room.
  - **Edit channels**: allows you to add or remove channels from your custom list. Press and hold a channel number to update the channel entry.
  - **Settings**: provides access to the Samsung Smart Remote settings menu.
  - **About**: displays onscreen information about the application.

Personalize Smart Remote

You can personalize your application to do things such as show content only from your selected media categories, or add an additional room's set top box.

To configure your Just for you settings:

The Just for you option displays available content matching your activated media categories. These categories can be configured during your initial set up or at any later time.

1. Sign into your Samsung account.
2. From the main Smart Remote screen, tap (**Combined View**) ➔ **Just for you**.
3. From the **On TV** tab, press and then select **Settings**.
4. Access parameters such as **Basic profile**, **Genres** and **Sports** to then configure and enable those parameters you would like to show in the Just for you tab.

To add a new room:

Your device can be used to control boxes/receivers from several rooms. You could go from controlling your set top box in your living room and then move into your bedroom to do the same.

1. Sign into your Samsung account.
2. From the main Smart Remote screen, tap the **On TV** tab
3. Press and then select **Settings ➔ Add room**.
4. Name the new room and tap **Next**.
5. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.
6. To complete the process, see *"Initial Configuration"* on page 122 and complete steps 1 - 4.

Video

The Video application plays video files stored on your phone or microSD card.

1. Tap → **Video** .

   All videos that you have on your phone and memory card will be displayed.

2. Tap the video that you want to play.

   The video will begin to play.

3. The following video controls are available:

   Pause the video.

   Start the video after being paused.

   Press and hold to rewind the video. Tap to go to previous video.

   Press and hold to fast-forward the video. Tap to go to next video.

   Volume control.

PIP (Picture In Picture) view. The video will be played in a small window so you can use your phone for other purposes while watching the video. Double-tap screen to return to previous size.

Original size view. The video will be played in its original size.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.

Keep aspect ratio view.

Full-screen view. The entire screen is used, which may cause some minor distortion.

Streams the video to another device via Samsung Link.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using Wi-Fi Direct, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From the Home screen, tap ➔ **Voice recorder** .
2. To start recording, tap **Record** and speak into the microphone.
3. During the recording process you can either tap **Stop** to stop and save the recording or **Pause** to temporarily halt the recording. After pausing, tap **Record** to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap **Cancel** to cancel the recording without saving.
4. Tap **List** to display a list of current recordings.
5. Tap **Recording quality** to adjust the recording quality. Choose from: Normal, Interview, Conversation, or Voice memo.
6. Press for additional options.

Voice Search

The Google Voice Search application allows you to search the web using only your voice.

1. From the Home screen, tap ➔ **Voice Search** .
2. When the Google Voice Search screen displays, speak the word or words that you would like to search for on the internet.
3. If the timer expires and the mic icon changes from red to gray, tap the mic icon and speak the word or words that you would like to search for on the internet.

   Results are displayed on your phone.
4. The following options are available at the bottom of your screen:
   - **Web**: After selecting a different option, tap Web to return to the original search results.
   - **Images**: Displays images for your search.
   - **News**: Displays news items related to your search.
   - **MORE**: After tapping More, sweep your screen to the left to see additional options such as Maps, Shopping, Videos, Blogs, Discussions, Books, Applications, and Phone.

Voicemail

Access your Cricket Visual Voicemail account.

- From the **Apps** screen, touch **Voicemail**.

Wi-Fi

Use Cricket Wi-Fi to access to free and open Wi-Fi hotspots across the country, for high speed Internet and to save on mobile data charges.

- From the **Apps** screen, touch **Wi-Fi**.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

1. From the Home screen, tap → **YouTube** .
2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.
4. Press for additional options.

Note: It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, tap **Sign in** at the top left corner, enter your YouTube or Google username and password, and tap **Sign in**.

Section 8: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

- From any Home screen, tap **Apps** ➔ **Settings** .

Settings Categories

The Settings are divided into 9 main categories. When the Settings screen displays, the following 9 category headings are listed. Scroll down to view all of the headings:

- **Quick settings**: The most frequently used settings by the average person. You can modify your Quick settings so your most frequently used settings are at the top of the list. For more information, refer to *"Quick Settings" on page 131.*
- **Network connections**: All of the settings related to the connection of your device to external sources.
- **Connect and share**: All of the settings that are related to sharing information with other devices.
- **Sound and display**: Settings are related to the sounds, colors, display appearance, and notifications on your phone.
- **Personalization**: Customize your phone the way you like it.
- **Motion**: Settings for the different motions and gestures you can use to make using your phone easier.
- **User and backup**: All of the settings used for accounts, backing up your phone, and resetting your phone.
- **System**: Setting up the system on your phone.
- **Applications**: Managing your applications.

Note: The settings for your device are described in this section in the order that they appear within the Settings menu with the exception of the Frequently used settings.

Searching the Settings

If you are not sure exactly where to find a certain setting, you can use the Setting search feature.

1. From the main Settings screen, tap .
2. Enter a word or words in the Search box. As you type, settings that match will appear on the screen.
3. Tap an entry to go to that setting.

Note: If the word you entered does not find any matches, **No results found** will be displayed.

Quick Settings

Quick settings are all of the settings that you most frequently use. When you first access the Settings menu, the Quick settings are set to a default list of settings. To modify the Quick settings display with your most frequently used settings, follow these steps:

1. From the main Settings screen, tap ➔ **Edit quick settings**.
2. Scroll thru all of the settings and tap the settings icons that you want in your Quick settings menu. The settings that are already in the Quick settings menu are highlighted. Tap a highlighted item to remove it from the Quick settings menu.
3. Tap **Save** to save your new Quick settings menu.

Connections

Wi-Fi Settings

In this menu you can activate or deactivate Wi-Fi, and connect to a Wi-Fi network. For information on Wi-Fi, see *"Wi-Fi"* on page 79.

Bluetooth

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair. For more information, refer to *"Bluetooth" on page 84.*

Airplane mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the main Settings screen, tap **Airplane mode**.
2. At the **Turn on Airplane mode** prompt, tap **OK**.
   The Airplane mode icon is displayed at the top of your screen.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the main Settings screen, tap **Data usage**.
2. Tap **Mobile data** to create a checkmark and turn Mobile data usage on.
3. Tap **Set mobile data limit** to create a checkmark and allow a data limit to be set.
4. Touch and drag the orange limit bar to the GB limit that you desire.
5. Tap the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a chart and also displays a list applications

   with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

6. Tap to display additional options. Tap to activate.
   - **Data roaming**: Enables data roaming on your device.
   - **Restrict background data**: Restricts some apps and services from working unless you are connected to a Wi-Fi network.
   - **Auto-sync data**: Allows your accounts to automatically sync
   - **Show Wi-Fi usage**: Displays a Wi-Fi tab that shows Wi-Fi usage.

Location

The Location settings allow you to set up how the phone determines your location.

1. From the main Settings screen, tap **Location**.
2. The menu is separated into various sections:
   - **Mode**: Allows you to choose a location mode. Each mode uses different technologies and affects the accuracy of the location.
   - **Recent location requests**: Displays services that have recently requested your location information.
   - **Location services**: Uses Google Location Reporting to report your location to various applications.
   - **My places**: Allows you to add location information for your Home, Work, and Car.

More networks

This option displays additional Connectivity information.

- From the main Settings screen, tap **More networks**.

Default messaging app

This option allows you to set the default messaging app that you can use to send all of your messages.

- From the main Settings screen, tap **More networks** ➔ **Default messaging app** and make a selection.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Mobile data

To enable data access over the mobile network, this option must be selected. It is set on by default.

1. From the main Settings screen, tap **More networks** ➔ **Mobile networks**.
2. Tap **Mobile data** to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the main Settings screen, tap **More networks** ➔ **Mobile networks**.
2. Tap **Data roaming** to create a checkmark and activate the feature.

Access Point Names

To use Wi-Fi you need access to a wireless access point (hotspot).

1. From the main Settings screen, tap **More networks** ➔ **Mobile networks**.
2. Tap **Access Point Names**.

   A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the main Settings screen, tap **More networks** ➔ **Mobile networks**.
2. Tap **Network operators**.
   The current network connection displays at the bottom of the list.

Important! You must deactivate data service prior to searching for an available network.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default setup options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From the main Settings screen, tap **More networks** ➔ **Mobile networks**.
2. Tap **Network operators**.
3. Tap **Default setup**.
4. Tap **Manual** to locate and connect to a network manually, or tap **Automatic** to allow the device to automatically select a network.

VPN settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important! Before you can use a VPN you must establish and configure one.

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Lock Screen Settings" on page 143.*

2. From the main Settings screen, tap **More networks** ➔ **VPN**.
3. Tap **Basic VPN**.
4. Tap **(Add VPN network)**.
5. Enter a name for the VPN network in the **Name** field.
6. Select a VPN type from the **Type** drop-down menu.
7. Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.
8. Tap the **PPP encryption (MPPE)** check box to enable encryption.
9. Tap the **Show advanced options** check box to display additional VPN options.
10. Tap **Save** to save your VPN settings.

Adding an IPsec VPN

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Lock Screen Settings" on page 143.*
2. From the main Settings screen, tap **More networks** ➔ **VPN**.
3. Tap **Advanced IPsec VPN**.
4. Tap **(Add IPsec VPN network)**.
5. Enter a password, confirm the password, and tap **OK**.
6. Enter a name for the VPN connection in the **VPN connection name** field.
7. Select an **IPsec connection type** from the drop-down menu.
8. Enter any other required information.
9. Tap **Show advanced options** to display additional VPN options.
10. Tap **Save** to save your VPN settings.

Connect and Share

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC, follow these steps:

1. From the main Settings screen, tap **NFC**.
2. Tap the ON/OFF slider, located to the right of the NFC field, to turn NFC ON

.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From the main Settings screen, tap **NFC** ➔ **Android Beam**.
2. Tap the **ON/OFF** icon to turn Android Beam ON

.
3. Touch the back of your device with another NFC capable device and the content is transferred.

S Beam

When S Beam is activated, you can beam files to another NFC capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music app, and more.

1. From the main Settings screen, tap **NFC** ➔ **S Beam**.
2. Tap the **ON/OFF** icon to turn S Beam on

.
3. Touch the back of your device with another NFC capable device and the content is transferred.

Tap and pay

Tap and pay allows you to select the default payment application you want to use for making on phone purchases.

1. From the main Settings screen, tap **NFC** ➔ **Tap and pay**.
2. Select the app that you want as your default.

Nearby devices

This option allows you to share your media files with nearby devices connected to the same Wi-Fi.

1. Connect to a Wi-Fi network. For more information, refer to *"Wi-Fi" on page 79*.
2. From the main Settings screen, tap **Nearby devices**.
3. Tap the **ON/OFF** icon to turn Nearby devices on ON.
4. Verify **Nearby devices** appears at the top of the screen in your status bar.
5. Tap **Shared contents**, then check the media you would like to share. Tap **OK**.
6. Tap **Allowed devices**, then select the connected devices you would like to allow.
7. Tap **Denied devices**, then select the connected devices you would like to not allow.
8. Tap **Download to**, then select the destination of any downloaded (shared) content. Choose from Device or SD card.
9. Tap **Download from other devices**, then select the actions you'll take when you download content from other devices. Choose from either Always accept, Always ask, or Always reject.

Printing

With the Printing option, you can set your device to print on compatible Samsung Wi-Fi printers.

1. From the main Settings screen, tap **Printing**.
2. If you have a Samsung printer, tap **Samsung Print Service Plugin**.

   – or –

   If you have a HP printer, tap **HP Print Service Plugin**.
3. Tap the ON/OFF slider, to turn Printing ON ON.
   Your device will search for compatible printers.
4. Follow the onscreen instructions.
5. Tap for additional options.

Screen Mirroring

The Screen Mirroring feature allows you to share the media files on your device screen with an HDMI device such as an HDMI TV.

Note: This feature requires the optional AllShare Cast dongle which is available as an accessory. Visit www.samsung.com/accessories for more information .

1. From the main Settings screen, tap **Screen Mirroring**.
2. Tap the ON/OFF slider, to turn on

.
3. Connect the AllShare Cast dongle to the HDMI device using an HDMI A-to-A cable.
4. Tap **Scan** to scan for available devices.

Sound and Display

Sound Settings

From this menu you can control the sounds on the phone.

- From the main Settings screen, tap **Sound**.

The following options display:

Sound Mode

Sound mode allows you to select Sound, Vibrate, or Mute to be used for all sounds.

1. From the main Settings screen, tap **Sound** ➔ **Sound mode**.
2. Select the option that you would like to use for all of your sounds.

Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. From the main Settings screen, tap **Sound** ➔ **Volume**.
2. Touch and drag the sliders to adjust the sound volume for the various options.
3. Tap **OK**.

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the main Settings screen, tap **Sound** ➔ **Vibration intensity**.
2. Touch and drag the slider to adjust the Vibration intensity for the various options.

Ringtones

This option allows you to set the ringtone.

1. From the main Settings screen, tap **Sound**.
2. Tap **Ringtones**.
3. Tap a ringtone and tap **OK**.

   – or –

   Tap **Add** to select a file from your music files.

Vibrations

This option allows you to set your phone to vibrate and ring.

1. From the main Settings screen, tap **Sound**.
2. Tap **Vibrations**.
3. Select a vibration pattern and tap **OK**.

   – or –

   Tap **Create** and follow the onscreen instructions to create your own vibration.

Notifications

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the main Settings screen, tap **Sound**.
2. Tap **Notifications**.
3. Tap a ringtone and tap **OK**.

Vibrate when ringing

This option allows you to enable your phone to vibrate whenever it rings.

1. From the main Settings screen, tap **Sound**.
2. Tap **Vibrate when ringing** to create a checkmark and enable the feature.

System Tone Settings

The System tone settings are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen.

1. From the main Settings screen, tap **Sound**.
2. Tap any of the following options to create a checkmark and activate the feature:
   - **Dialing keypad tone**: Makes a sound when you tap a key on the keyboard.
   - **Touch sounds**: Makes a sound when you touch the screen.
   - **Screen lock sound**: Makes a sound when your screen is locked or unlocked.
   - **Haptic feedback**: Makes a vibration when you tap soft keys and on certain UI interactions.

Samsung Application Sound Settings

This section describes how to modify sound settings associated with several frequently used apps.

1. From the main Settings screen, tap **Sound**.
2. Tap one of the following apps to access the settings:
   - **Call**: Modify settings for call alerts, ringtone and sound settings, and Voicemail sound settings.
   - **Messaging**: Modify settings for the Messaging app.
   - **Email**: Modify settings for your Email accounts.
   - **S Planner**: Modify settings for event notification in your Calendar application.
3. Follow the onscreen instructions to update your app sound settings.

Music effects

Music effects allows you to set the Music effects control panel that will be used when you play music on your phone.

1. From the main Settings screen, tap **Sound** ➔ **Music effects**.
2. Select the option that you would like to use for your Music effects control panel.

Display Settings

In this menu, you can change various settings for the display.

- From the main Settings screen, tap **Display**.

  The following options display:

  - **Brightness**: Configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust or drag the slider and tap OK.
  - **Font**: Set the font style and font size that your phone will use. You can also tap Get fonts online to choose from a wider selection.
  - **Screen rotation**: Switch the display orientation automatically when you rotate the phone.
  - **Smart stay**: When activated, your screen stays on as long as you are looking at it.
  - **Screen timeout**: Adjust the delay time before the screen automatically turns off.
  - **Screen mode**: Select from several different screen modes that affect the color and sharpness of your display.
  - **Auto adjust screen tone**: Save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.
  - **Daydream**: Control what your screen does when your device is docked or sleeping. Tap the ON/OFF icon next to Daydream to turn it on . Follow the onscreen instructions.
  - **LED indicator**: Set up how your LED lights can be used as indicators. Tap the features that you want activated to create a checkmark.
  - **Touch key light duration**: Adjust the delay before the Touch key light automatically turns off.
  - **Increase touch sensitivity**: Adjust the touch sensitivity of your phone automatically depending on the type of material on the display.

Wallpaper

You can change the Wallpaper (background) of your home and lock screens by following these steps:

1. From the main Settings screen, tap **Wallpaper**.
2. Select the screen or screens that you would like to modify. Select **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Scroll through the wallpaper thumbnails located at the bottom of the screen. Tap the one you want.
4. It is displayed on your screen.
5. Tap **Done**.

   The new wallpaper is saved.

Lock Screen Settings

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Locking and Unlocking the Touch Screen"* on page 12.

Screen Lock

1. From the main Settings screen, tap **Lock screen**.
2. Tap **Screen lock** for these options then follow the onscreen instructions to set up your Screen lock:
   - **Swipe**: Swipe the screen to unlock it.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **Fingerprint**: You can select any finger and use the fingerprint to unlock your screen. Place your finger in the marked area and repeatedly move your finger down over the home key until the bar reaches 100%.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.
   - **None**: No pattern, PIN, or password is required. The screen will never lock.

Lock screen options

Activate or deactivates various Unlock screen functions.

Note: The Lock screen options will differ depending on what type of Screen Lock you have selected.

1. From the main Settings screen, tap **Lock screen**.
2. The following options are available depending on the Screen Lock type that you have selected:
   - **Dual clock** displays a dual clock on your lock screen when roaming.

- **Clock size** allows you to select the size of the clock that will appear on your lockscreen.
- **Show date** displays the date on your lockscreen.
- **Camera shortcut** displays a camera shortcut icon on your lockscreen.
- **Owner information** displays information about you, that you want to be displayed on the lockscreen.
- **Unlock effect** sets the effect you receive when unlocking the phone.
- **Additional information** displays Weather on Walking mate (from S Health app) information on your lockscreen.
- **Help text** shows help information on the Lock screen (Swipe option only).
- **Make pattern visible** allows you to see the pattern as you draw it (Pattern and Fingerprint options only).
- **Vibration feedback** causes your phone to vibrate if you enter a wrong pattern (Pattern and Fingerprint options only).
- **Secured lock time** allows you to set a time-out for lock screen. (Pattern, Fingerprint, Pin, and Password options only)

Multi window

The Multi window feature allows you to run multiple applications on the current screen at the same time. For more information, refer to *"Using the Multi Window" on page 26*.

1. From the main Settings screen, tap **Multi window**.
2. Tap the **ON/OFF** slider, located to the right of the Multi window field, to turn it on

.
3. Tap **Open in multi window view** to create a checkmark if you want to automatically have Multi window activated whenever you open files from My Files, Video, or any attachments from emails or messages.
4. Tap **Tray position** and select the side of the screen that you would like the Multi window tray to be located (Left or Right).
5. From any screen, press and hold the **Back** key to show or hide the multi window tray.

Notification panel

The Notification panel includes a pull-down list to show information about processes that are running, recent notifications, and alerts.

1. From the main Settings screen, tap **Notification panel**.
2. For more information, refer to *"Notification Panel" on page 38*.

Toolbox

This feature allows you to customize a quick access feature that hold up to five frequently used application shortcuts. Once activated, this onscreen button can be placed anywhere. This button appears atop off current screens and can only be disabled via either the Notifications Panel or via the Toolbox screen.

Important! There can only be at most five applications assigned to the quick access Toolbox button.

To activate the Toolbox:

1. From the main Settings screen, tap **Toolbox**.
   In a single motion touch and slide the **Toolbox** slider to the right to turn it on. The slider color indicates the activation status.

   – or –

   From the Notification panel, tap **Open Grid view** to display additional functions.

   Toggle on the Toolbox activation button (turns green).
2. When activated, the **Toolbox access** button appears on the current screen.

To deactivate the Toolbox:

1. From the main Settings screen, tap **Toolbox**.
   In a single motion touch and slide the **Toolbox** slider to the right to turn it off.

   – or –

   From the Notification panel, tap **Open Grid view** to display additional functions.

   Toggle off the Toolbox activation button (turns gray).

To customize the Toolbox applications:

1. From the active Toolbox screen, tap **Edit**.
2. Place a check mark alongside up to five applications. These will be quickly accessible via the onscreen button.
3. Tap **Save** once you have completed the assignment of your applications.

One-handed operation

The one-handed operation settings help you to use your phone keypads easily with only one hand.

1. From the main Settings screen, tap **One-handed operation**.
2. Tap the **ON/OFF** icon next to **One-handed operation** to the right to turn it on

.

To activate One-handed operation:

- Complete the set up process by grabbing the device in one hand and then in a single motion, swipe your thumb from the edge of the screen towards the middle and then back.

To deactivate One-handed operation:

- Tap **Resume Normal View** to return to normal view.

Personalization

Easy Mode

This application allows you to see your display using the default layout or provide an easier user experience for the first-time smartphone users using **Easy mode**.

1. From the main Settings screen, tap **Easy mode**.
2. Tap the **ON/OFF** icon next to **Easy mode** to the right to turn it on ON.
3. Applications that are affected by Easy mode are checked. Tap any application to uncheck if you want the standard display for that application.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Play Store and manage their use here.

1. From the main Settings screen, tap **Accessibility**.
2. The following options are available:

- **Vision**:
  - **TalkBack**: activate the TalkBack feature. TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.
  - **Dark screen**: allows you to keep your screen turned off at all times until you double press the Power key to turn the feature off. The TalkBack feature must be enabled.
  - **Rapid key input**: allows you to release your finger rather than double tapping to enter a selection when using the TalkBack feature.
  - **Speak passwords**: reads out password information. he TalkBack feature must be enabled.
  - **Font size**: change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Small, Normal, Large, or Huge.
  - **Magnification gestures**: use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
  - **Notification reminder**: plays a beep when you have unread notifications. Touch and slide the slider ON to the right to turn it on.

– **Negative colors**: reverse the display of onscreen colors from White text on a Black background to Black text on a White background.

– **Color adjustment**: allows you to adjust the display colors if you are color blind and have difficulty reading the display because of the colors. Touch and slide the slider

to the right to turn it on. Follow the onscreen instructions.

– **Accessibility shortcut**: allows you to quickly enable accessibility features in 2 quick steps. Touch and slide the slider

to the right to turn it on. Follow the onscreen instructions.

– **Text-to-speech options**: allows you to adjust your text-to-speech settings. For more information, refer to “Speech Settings” on page 130.

• **Hearing**:

– **Flash notification**: allows you to set your camera light to blink whenever you receive a notification.

– **Turn off all sounds**: allows you to mute every sound made by the device during taps, selections, notifications, etc.

– **Hearing aids**: allows you to improve the sound quality of your device for use with hearing aids.

– **Samsung subtitles (CC)**: allows you to turn on subtitles when using applicable Samsung apps. Assistant menu: allows you to improve the device accessibility for users with reduced dexterity. Touch and slide the slider

to the right to turn it on. Follow the onscreen instructions.

– **Google subtitles (CC)**: allows you to turn on subtitles when using applicable Google apps. Touch and slide the slider

to the right to turn it on. Follow the onscreen instructions.

– **Sound balance**: allows you to use the slider to set the Left and Right balance when using a stereo device.

– **Mono audio**: allows you to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.

– **Baby crying detector**: causes your phone to vibrate when a crying baby is detected.

– **Auto haptic**: causes your phone to automatically vibrate in response to the sounds of downloadable apps such as games. Some apps do not support this feature.

- **Dexterity and interaction**:
  - **Assistant menu**: allows you to improve the device accessibility for users with reduced dexterity. Touch and slide the slider to the right to turn it on

. Follow the onscreen instructions.
  - **Air wake up**: allows you to turn on your screen by waving your hand over the device when it is lying face up.
  - **Smart scroll**: once your eyes have been detected, the screen will scroll according to your device's tilt angle. Tap the slider to the right of the Smart scroll field to activate the feature. With Smart scroll, the screen will scroll depending on the phone's tilt angle once your eyes have been detected.
  - **Press and hold delay**: allows you to select a time interval for this action. Choose from: Short, Medium, Long, or Custom.
  - **Interaction control**: allows you to enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch and slide the slider to the right to turn it on

. Follow the onscreen instructions.
- **Direct access**: allows you to open the Accessibility settings by pressing the Home key 3 times in quick succession. Select the settings that you want to open to create a checkmark.
- **Answering and ending calls**: allows you to set up the manner in which you accept incoming calls. Tap a selection to create a checkmark.
- **Single tap mode**: allows you to dismiss or snooze alarms, calendar events and timer alerts, and answer or reject incoming calls with a single tap.
- **Manage accessibility**: save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.

Blocking Mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

1. From the main Settings screen, tap **Blocking mode**.
2. In a single motion touch and slide the **Blocking mode** slider to the right to turn it on ON. Confirm that the Blocking mode active icon appears in the Status bar.
3. Place a green checkmark adjacent to the features that you would like to disable.
4. Configure a timeframe for these features to be active. Remove the checkmark from the **Always** field to configure the **From** and **To** time fields.
5. Tap **Allowed contacts** to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts will then appear in the **Allowed contact list**.

Private Mode

This feature allows you to hide personal content from being accessed by anyone else using your device.

1. From the main Settings screen, tap **Private mode**.
2. Read the information on the Welcome screen and tap **Next** to view more helpful information.
3. Tap **Start**.
4. Select an unlock method and complete the associated set up process.
5. Confirm **Private Mode active** appears in the Notifications area.

To disable Private Mode:

1. From the main Settings screen, tap **Private mode**.
2. In a single motion touch and slide the slider to the left to turn it off OFF.

Finger Scanner

You can use the Finger Scanner feature as an alternative security method for certain actions and as your lockscreen.

Note: In order for fingerprint recognition to function, your fingerprint information will be stored in your phone.

Registering your fingerprints

1. From the main Settings screen, tap **Finger Scanner**.
2. If you did not register your fingerprints when you first set up your phone, tap **Fingerprint manager**.
3. Read the Disclaimer at tap **OK**.
4. Tap on the finger or thumb that you would like to register.
5. Swipe your finger over the Home key from the first knuckle to the tip of the finger. An animated drawing shows you exactly how.
6. Continue to swipe your finger until the progress bar shows 100%.
7. Enter a password to use as an alternative in case your fingerprint is not read correctly.
8. Confirm the password and tap **OK**.
9. Your fingerprint is now registered. Tap ⮌ to return to the fingerprint screen.
10. Under the Settings heading, the following options are available:
    - **Fingerprint manager**: Allows you to register more fingerpints or deregister the fingerprints that are on your phone.
    - **Change alternative password**: Allows you to change your alternative password which is used in case your fingerprint is not recognized.
11. Under the Features heading the following options are available:
    - **Screen lock**: Allows you to sign into websites which support the remember passwords feature. Follow the onscreen instructions.
    - **Verify Samsung account**: Allows you to use your fingerpint instead of your password when signing onto your Samsung account. Follow the onscreen instructions.
    - **Pay with PayPal**: Allows you to link your PayPal account to your phone to make quick and secure payments using any of your registered fingerprints.

Motion

Motions and gestures

The Motions and Gestures settings allow you to set up various Motion activation services.

- From the main Settings screen, tap **Motions and gestures**.

Air browse

Air browse allows you to scroll through pages or go to the next or previous item in a list by moving your hand up and down, or left and right above the sensor located at the middle top of your display.

1. From the main Settings screen, tap **Motions and gestures** ➔ **Air browse**.
2. In a single motion touch and slide the slider to the right to turn it on

.
3. Tap on the applications that you would like to enable to use the Air browse feature. A checkmark will appear.
4. When using a supported application, move your open hand across the screen to use Air browse.

Direct call

With the Direct Call feature, your phone will dial the currently displayed onscreen Contact entry as soon as you place the device to your ear.

1. From the main Settings screen, tap **Motions and gestures** ➔ **Direct call**.
2. In a single motion touch and slide the slider to the right to turn it on

.

Smart alert

Once Smart alert is enabled, you can pickup the device to be alerted and notified if you have missed any calls or messages.

1. From the main Settings screen, tap **Motions and gestures** ➔ **Smart alert**.
2. In a single motion touch and slide the slider to the right to turn it on

.

Mute/Pause

Once enabled, you can pause any onscreen video or mute any current sound by simply covering the screen with your hand or turning it over. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or unmuting the current sound.

1. From the main Settings screen, tap **Motions and gestures** ➔ **Mute/Pause**.
2. In a single motion touch and slide the slider to the right to turn it on .
3. Tap the following methods that you want to use to Mute/Pause your phone:
   - **Covering screen with hand**: Place your hand on the screen to mute incoming calls and alarms, or to pause media while the screen is on.
   - **Turning device over**: Turn your phone over to mute incoming calls, message alerts, and alarms, or to pause media.
   - **Smart pause**: Uses the front camera to detect if you are facing the screen and pauses a video when you look away.

Palm swipe to capture

Once enabled, you can capture any onscreen information swiping across the screen. In a single motion, press the side of your hand on the screen and swipe form left to right.

1. From the main Settings screen, tap **Motions and gestures** ➔ **Palm swipe to capture**.
2. In a single motion touch and slide the slider to the right to turn it on .
3. You can find the captured screen in the Images section in My Files and in your Gallery.

Air view

When Air view is enabled, it displays helpful information when you hover your finger over the screen.

1. From the main Settings screen, tap **Air view**.
2. Follow the onscreen instructions.

User and Backup

Accounts

This menu allows you to set up, manage, and synchronize your accounts.

Adding an Account

1. From the main Settings screen, tap **Accounts** ➔ **Add account**.
2. Tap one of the account types.
3. Use the keyboard and follow the prompts to enter your credentials and set up the account.

   A green circle will appear next to the account type once you have created an account. Your email account will also be displayed in the **My Accounts** section of the main Accounts menu.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From the main Settings screen, tap **Accounts**.
2. Tap the account which is located in the **My Accounts** section.
3. Tap the account name.
4. Tap ➔ **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From the main Settings screen, tap **Accounts**.
2. Tap the account which is located in the **My Accounts** section.
3. Tap the account name.
4. Tap ➔ **Sync all** to synchronize your account or only tap the Sync items that you want to synchronize.

5. Tap ➔ **Cancel sync** to stop the synchronization.
6. Additional settings are available under the account name of each account depending on the type of account. These may include Profile, Terms and conditions, Help, Storage usage, Search, Location, Ads, etc.

Back up and reset

The Back up and reset settings allow you to back up your data, back up accounts, automatically restore your phone, and reset your phone settings to the factory settings.

Back Up My Data

By setting this option, the Google server will back up all of your settings and data.

1. From the main Settings screen, tap **Backup and reset**.
2. Tap **Back up my data** to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From the main Settings screen, tap **Backup and reset**.
2. Tap **Backup account** and tap your Google Gmail account or tap **Add account** to set your Google Gmail account to be backed up to the Google server.

Automatic Restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From the main Settings screen, tap **Backup and reset**.
2. Tap **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the main Settings screen, tap **Backup and reset**.
2. Tap **Factory data reset**.

The Factory data reset screen displays reset information.

3. Tap **Reset device**, then follow the prompts to perform the reset.

Warning! Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos.

System Settings

Language and input

This menu allows you to configure the language in which to display the menus. You can also set onscreen keyboard options.

Language

You can change the language used by your device by following these steps:

1. From the main Settings screen, tap **Language and input** ➔ **Language**.
2. Tap a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the main Settings screen, tap **Language and input**.
2. Tap **Default** and select a keyboard.

   Select Samsung keyboard or Swype.
3. Tap the icon next to the input method that you would like to configure the settings for.

4. Based on your selection of input method, the appropriate settings will appear and are explained below.

Samsung Keyboard settings

From this menu you can set Samsung keyboard options.

1. From the main Settings screen, tap **Language and input**.
2. Tap the icon next to **Samsung keyboard**.
3. Set any of the following options:
   - **English(US)** is the default language. Whatever language you select in the Select input languages, is displayed here.
   - **Select input languages** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.
   - **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Touch and hold to access the advanced settings. Touch and slide the slider to the right to turn it on .Tap **Predictive text**. The following options are available:
     - **Live word update** allows the device to automatically update its word database with popular new words every day.
     - **Personalized data**: allows you to use personal language that you have added to make your prediction results better.
     - **Learn from Facebook**: allows you to login to your Facebook account so your phone can learn your Facebook style.
     - **Learn from Gmail**: allows you to login to your Gmail account so your phone can learn your Gmail style.
     - **Learn from Twitter**: allows you to login to your Twitter account so your phone can learn your Twitter style.
     - **Learn from Messages**: allows your device to learn from your Messages.
     - **Learn from Contacts**: allows your device to learn from your Contacts.
     - **Clear server data**: deletes anonymous data that is stored on the personalization server.
     - **Clear personal data**: removes all personalized data that you have entered.
   - **Privacy Policy**: click the link to read the privacy policy. Follow the onscreen instructions.

- **Auto replacement** automatically completes or replaces the current word with the most probable word match after tapping the space bar or entering a punctuation mark. Touch and slide the slider to the right to turn it on

.
- **My Hot keys** creates number key shortcuts to enter predefined words or phrases more quickly.
- **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
- **Auto spacing** automatically inserts space between words.
- **Auto punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the onscreen QWERTY keyboard.
- **Keyboard swipe** allows you to combine the Samsung keyboard with an additional input method choose from:
  - **None** leaves text input as only via the onscreen keyboard.
  - **SwiftKey Flow** like using Swipe, allows you to enter text by sliding your fingers across the onscreen keyboard. This feature is optimized for use with the onscreen QWERTY keyboard.
  - **Cursor control** when enabled, allows you to control your onscreen cursor by moving your finger across the keyboard.
  - **Flick input** allows you to flick upwards on a key to view symbols and alternative characters.
- **Key-tap feedback** provides feedback functions to be enabled such as:
  - **Sound** enables auditory feedback when you tap an onscreen key.
  - **Vibration** enables vibration feedback when you tap an onscreen key.
  - **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
  - **Press and hold delay**: allows you to select a time interval for this action. Choose from: Short, Medium, Long, or Custom.
- **More settings** provides access to additional access to more settings.
  - **Reset settings** resets the keyboard settings back to their original configuration.

Swype Keypad Settings

To configure Swype settings:

1. From the main Settings screen, tap **Language and input**.
2. Tap the icon next to **Swype**.
3. Tap **Settings** on the left side of the screen to alter these settings:
   - **Vibrate on keypress** activates a vibration sensation as you enter text using the keypad.
   - **Sound on keypress** turns on sounds generated by the Swype application.
   - **Pop-up on keypress** displays the character above the key when typing.
   - **Long-press delay** set the time needed to select alternate characters.
   - **Show complete trace** once enabled, sets wether or not to display the complete Swype path.
   - **Auto-capitalization** automatically capitalizes the first letter of every sentence.
   - **Auto-spacing** automatically inserts a space between words. When you finish a word, just lift your finger or stylus and start the next word.
   - **Next word prediction** once enabled, predicts the next word in your text string based on your current text entries.
   - **Show Voice key** once enabled, displays the Voice icon on your Swype keyboard so you can use the Voice input option.
4. Tap **Themes** on the left side of the screen to access the following options:
   - **Portrait keyboard** allows you to set the Portrait keyboard to Full screen, Mini left, or Mini right.
   - **Landscape keyboard** allows you to set the Landscape keyboard to Full screen, Mini left, Mini right, or split.
   - **Keyboard height** allows you to set the keyboard height in both Portrait and Landscape modes.
   - **Word choice list font size** allows you to change the font size in the word choice list.
5. Tap **My Words** on the left side of the screen to access the following options:
   - **Backup & Sync** allows you to backup your Swype dictionary and sync your Swype dictionary across multiple devices.

- **Living Language** when enabled, this feature automatically updates your Swype dictionary with popular new words.
- **Social integration** allows you to learn information from your Facebook, Twitter, and Gmail accounts to help you while using Swype.
- **Edit my dictionary** allows you to edit your personal Swype dictionary.
- **Clear language data** deletes all of your personal language data, including your words.
- **Contribute usage data** when enabled, allows the Nuance® application to collect usage data for better word predictions.
- **Cellular data** when enabled, activates cellular data usage by the Swype application so it can receive program updates, language downloads, and other related features via your existing data connection.

6. Tap **Languages** on the left side of the screen to activate and select the current text input language. Default language is English. Touch **Download languages**, to download additional languages.
7. Tap **Gestures** on the left side of the screen to view helpful information on using gestures while using Swype.
8. Tap **Help** on the left side of the screen to see the following options:
   - **How to Swype**: Provides tips on how to learn to use Swype.
   - **Show helpful tips**: Once enabled, displays helpful tips and hints as you are using Swype.
   - **Version**: Displays the software version information.
9. Tap **Updates** on the left side of the screen to download any new Swype updates. If an update is available, it will display under the updates heading. If no updates are displayed, then check back later to see any available updates.

Google voice typing settings

From this menu you can set Samsung keyboard options.

1. From the main Settings screen, tap **Language and input**.
2. Tap the icon next to **Google voice typing**.

3. The following options are available:
   - **Choose input languages**: Tap on a language that you want to input. Select Automatic to use the local language or select a language from the list.
   - **Block offensive words**: Tap to create a checkmark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.
   - **Offline speech recognition**: Enables voice input while offline.

Speech Settings

This menu allows you to set the speech settings for Voice input.

1. From the main Settings screen, tap **Language and input**.
2. Tap **Voice search** to configure the following:
   - **Language**: Choose a language for your voice input.
   - **Speech output**: Sets whether you will use speech output always or only when using hands-free.
   - **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.
   - **"Ok Google" hotword detection**: Enable to being able to launch voice search by saying the word "Ok Google".
   - **Offline speech recognition**: Enables voice input while offline.
   - Personalized recognition: Improves speech recognition accuracy.
   - **Bluetooth headset**: allows you to record audio through a Bluetooth headset if available.
3. Tap **Text-to-speech options** and select **Samsung text-to-speech engine** or **Google Text-to-speech Engine**.
   - Scroll down to the **General** section to access the following options:
     - **Speech rate**: Set the speed at which the text is spoken.
     - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
     - **Default language status**: Displays whether or not the default language is supported.
4. Tap **Read notifications aloud** to read new notifications aloud for incoming calls, messages, etc. and provides caller or sender information.

Pointer speed

This option sets your Pointer speed for your mouse or trackpad when you are using a keyboard dock accessory.

1. From the main Settings screen, tap **Language and input**.
2. Tap **Pointer speed** then drag the slider to the right to go faster or to the left to go slower.
3. Tap **OK** to save your setting.

Date and time

This menu allows you to change the current time and date displayed.

1. From the main Settings screen, tap **Date and time**.
2. Tap **Automatic date and time** to allow the network to set the date and time.
3. Tap **Automatic time zone** to allow the network to set the time zone.

Important! Deactivate **Automatic date and time** to manually set the rest of the options.

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4. Tap **Set date** and tap the up and down arrows to set the **Month**, **Day**, and **Year** then tap **Set**.
5. Tap **Set time** and tap the up and down arrows to set the **Hour**, **Minute**, and **PM/AM**, then tap **Set**.
6. Tap **Select time zone**, then tap a time zone.
7. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.
8. Tap **Select date format** and tap the date format type.

Safety assistance

Safety assistance is intended to help users send a quick notice of their approximate location and visual surroundings to the mobile device of an emergency contact chosen in advance.

Important! This feature is only for your convenience and is not intended as, or should it be treated as, a substitute for emergency calls to the authorities.

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1. From the main Settings screen, tap **Safety assistance**.
2. You must first set up an emergency contact. If you have not already done so, from the main Safety assistance screen, tap **Create primary contact** .
3. Tap **Create new contact** or **Select from contacts**.

4. Enter your emergency contact information and tap **Save**.
5. From the main Safety assistance screen, the following options are available:
   - **Emergency mode** allows you to save power during an emergency by using a minimal home screen layout and limiting the number of usable apps. Touch and slide the slider to the right to turn it on .
   - **Geo News** informs you of natural disasters and extreme weather conditions occurring in your vicinity. Touch and slide the slider to the right to turn it on .
   - **Send help messages** helps you send a quick notice of your approximate location and visual/auditory surroundings to the mobile phone of the Emergency contact that you have created. Tap the power keys 3 times in a row to send an emergency message to your emergency contact: You should still make an emergency call to the appropriate authorities if needed. Touch and slide the slider to the right to turn it on . The following additional options are available:
     – **Send pictures** taken by the front and rear cameras will be sent to your emergency contact when an emergency has been declared (3 quick taps to the power button).
     – **Send sound recording** a sound recording will be sent to your emergency contact when an emergency has been declared (3 quick taps to the power button).
   - **Manage emergency contacts** allows you to create or modify your emergency contact information.

Accessories

This menu allows you to modify your HDMI (Audio output) settings.

1. From the main Settings screen, tap **Accessories**.
2. Tap **Audio output** to set your Audio output to Stereo or Surround.

Battery

See how much battery power is used for device activities.

1. From the main Settings screen, tap **Battery**.
   The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.
2. Tap one of the listed applications to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

3. Tap the **Show battery percentage** check box to have the battery percentage displayed on your battery charge icon on your status bar.

Power saving mode

Power saving mode allows you to manage your phone to conserve power. You can select Power mode to limit performance on your phone to save power or select Ultra power saving mode to save more power by adjusting the screen to use grayscale and limit access to your applications.

1. From the main Settings screen, tap **Power saving mode**.
2. Tap either **Power saving mode** or **Ultra power saving mode**.
3. Touch and slide the slider to the right to turn it on

.
4. Tap any of the options listed under the mode that you selected.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

To view the memory allocation for your external SD card:

- From the main Settings screen, tap **Storage**.
  The available memory displays under the **Total space** and **Available space** headings for both Device memory and SD card.

SD card

- Tap **Unmount SD card** to unmount your SD card so that you can safely remove it, then tap **OK**.
  – or –

1. Tap **Format SD card** to format your SD card. This will delete all data on your SD card including music, videos, and photos.
2. Tap **Format SD card** again.
3. Tap **Delete all** to continue or press to cancel.

Note: The **Format SD card** option is only available when your SD card is mounted.

Security

The Security settings allow you to determine the security level for your phone.

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the main Settings screen, tap **Security**.
2. You must first set up a screen lock type if you haven't already done so. For more information, refer to *"Screen Lock" on page 143.*
3. Tap **Encrypt device**. For more information, read the displayed help screen.
4. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Set up/change password

Use this option to set up your password when one is first required or change your current password.

1. From the main Settings screen, tap **Security** ➔ **Set up/change password**.
2. Enter a new password and tap **Confirm**.
3. Enter the new password again and tap **Confirm**.

Set up SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the main Settings screen, tap **Security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

4. Tap **Change SIM PIN**.
5. Enter your old SIM PIN code and tap **OK**.
6. Enter your new SIM PIN code and tap **OK**.
7. Re-type your new SIM PIN code and tap **OK**.

Forgotten SIM PIN password

If you enter the wrong SIM PIN more than 3 times, you will need to contact your Cricket Customer Service Representative to get the PUK code for your device.

1. Each time you enter a wrong SIM PIN number the phone will display how many attempts you have remaining the next time you try and enter the SIM PIN number.
2. After the third incorrect attempt, **SIM is now disabled, Enter PUK code to continue. Contact carrier for details** displays and your SIM card is locked.
3. Enter the new PUK code that you received from your Cricket Customer Service Representative on the keypad that is displayed.
4. Enter a new PIN code on the keypad that is displayed and tap **OK**.
5. Enter the new PIN code again in the **Confirm PIN code** field and tap **OK**.

Note: While your SIM PIN is locked, you will still be able to make Emergency calls if necessary.

Make passwords visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the main Settings screen, tap **Security**.
2. Tap **Make passwords visible** to create a checkmark and enable or disable the display of password characters.

Device Administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the main Settings screen, tap **Security**.
2. Tap **Device administrators**.
3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown sources

This feature allows you to download and install non-Market applications.

1. From the main Settings screen, tap **Security**.
2. Tap **Unknown sources**.

   A check mark is displayed to indicate it is active.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Verify apps

This feature allows you to either block or warn you before installing apps that may cause harm to your phone.

1. From the main Settings screen, tap **Security**.
2. Tap **Verify apps**.

   A check mark is displayed to indicate it is active.

Security policy updates

When you activate this feature, your phone will automatically check for changes to the security policy and download any updates to improve security and service.

1. From the main Settings screen, tap **Security**.

2. Tap **Security policy updates** to create a checkmark and activate the feature.

Send security reports

When you activate this feature, your phone will automatically send security reports to Samsung via Wi-Fi for threat analysis.

1. From the main Settings screen, tap **Security**.
2. Tap **Send security reports** to create a checkmark and activate the feature.

Storage type

This option allows you to select where you will back up your credentials.

1. From the main Settings screen, tap **Security** ➔ **Storage type**.
2. Select the backup storage location for your credentials.

Trusted Credentials

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the main Settings screen, tap **Security**.
2. Tap **Trusted credentials**.

The trusted credentials screen has two tabs:

- **System**: Displays CA certificates that are permanently installed in the ROM of your device.
- **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.

3. Tap a CA certificate to examine its details.

   A scrolling screen displays the details.

4. Scroll to the bottom of the details screen and tap **Turn off** to disable a System certificate or **Remove** to remove a User certificate.

Caution! When you disable a system CA certificate, the **Turn off** button changes to **Turn on**, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

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5. Tap **OK** to return to the certificate list.

   When enabled, a check mark appears in the check box.

Install from phone storage

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the main Settings screen, tap **Security**.
2. Tap **Install from phone storage**, then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials.

Note: This setting only appears if you have installed encrypted certificates.

1. From the main Settings screen, tap **Security**.
2. Tap **Clear credentials** to remove all certificates.

Help

Provides access to built-in Help information.

1. From the main Settings screen, tap **Help**.
2. Select an onscreen topic for more information:

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

1. From the main Settings screen, tap **About device**.
2. The following information displays:
   - **Software update**: Allows you to update your phone software, if available. For more information, refer to *"Software Update" on page 170*.
   - **Status**: Displays the Battery status, Battery level (percentage), Network, Signal strength, Mobile network type, Service state, Roaming status, Mobile network state, the phone number for this device (My phone number), IMEI number, IMEISV number, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.

- **Legal information**: Displays information about Open source licenses, Google legal information, and Samsung legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press ⮌ to return to the Settings menu.
- **Report diagnostic info**: Allows you to report diagnostic information when you are have technical problems.
- **Device name**: Displays the phone's model name.
- **Model number**: Displays the phone's model number.
- **Android version**: Displays the android version loaded on this handset.
- **Baseband version**: Displays the baseband version loaded on this handset.
- **Kernel version**: Displays the kernel version loaded on this handset.
- **Build number**: Displays the software, build number.
- **SE for Android status**: Displays the Security Enhancement status of your device.
- **Security software version**: Displays the version of the latest security software.

Note: Baseband, kernal and build numbers are usually used for updates to the handset or support. For additional information please contact your Cricket service representative.

Software Update

The Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the main Settings screen, tap **About device** ➔ **Software update**.
2. At the **Software update** prompt, tap **OK** to continue.
3. The phone automatically updates the software (if available), otherwise, when the **The latest updates have already been installed.** prompt is displayed, tap **OK**.

4. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, tap **Continue update**.

Application Settings

Application Manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

- From the main Settings screen, tap **Application manager**.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From the main Settings screen, tap **Application manager**.
2. Tap **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to display memory usage for that category of applications.

The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From the main Settings screen, tap **Application manager**.
2. Tap the **DOWNLOADED** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, Tap → **Sort by size** or **Sort by name**.
4. To reset your application preferences, Tap → **Reset app preferences**.

Note: This will reset the preferences for disabled apps, disabled app notifications, default applications for actions, and background data restrictions for apps. You will not lose any app data.

5. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

SD Card

Displays apps you have downloaded onto your SD card.

1. From the main Settings screen, tap **Application manager**.
2. Tap the **SD CARD** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the On SD card tab, Tap → **Sort by size** or **Sort by name**.
4. To reset your application preferences, Tap → **Reset app preferences**.

Note: When you Reset app preferences, you will not lose any app data.

5. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From the main Settings screen, tap **Application manager**.
2. Tap the **RUNNING** tab. All the applications that are currently running on the device display.
3. Tap one of the applications to view application information.

   The following options display:

   - **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

   - **Report**: Report failure and other application information.

Note: Options vary by application.

Default applications

This menu allows you to pre-set the default applications for your Home screen and your messaging app.

1. From the main Settings screen, tap **Default applications**.
2. Tap **Home** and tap one of the following options:
   - **TouchWiz easy home**: this option provides a Home screen that provides an easier user experience for the first-time smartphone users.
   - **TouchWiz home**: this is the Home screen that originally displays on your phone.
3. Tap **Message** and select the method of sending messages. Select either **Messaging** (original Samsung messaging app) or **Hangouts** (Google messaging app).
4. To clear defaults that you have set up, tap **Clear**.

Calendar

This section allows you to modify settings associated with the Calendar app. For information on the Calendar app, see *"Calendar"* on page 89.

Call

The Call settings menu allows you to modify your settings for making calls with your phone.

- From the main Settings screen, tap **Call**.

  – or –

  From the Home screen, tap → → **Settings**.

  The following options are available:

Call rejection

1. From the main Settings screen, tap **Call** → **Call rejection**.
2. Tap **Auto reject mode** and tap one of the following options:
   - **Off**: to turn Auto reject mode off.
   - **All incoming calls**: to reject all calls.
   - **Auto reject numbers**: to reject all calls in your Reject list.
3. Tap **Auto reject list**.
4. Tap to manually add numbers to the Reject list.
5. Tap **Unknown**, to create a checkmark and automatically reject all calls that are not in your Contacts list.

Set up call rejection messages

1. From the main Settings screen, tap **Call** → **Call rejection** → **Set up call rejection messages**.
2. Tap to manually add a reject message.

   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.
3. Tap **Save** to save the reject message.

Answering and ending calls

1. From the main Settings screen, tap **Call** → **Answering and ending calls**.
2. The following options are available:
   - **Pressing the home key**: Tap this option to be able to accept incoming calls by pressing the Home key.
   - **Voice control**: Tap this option to be able to accept incoming calls by using your voice.
   - **Waving hand over device**: Tap this option to answer a call by waving your hand over the device.
   - **Pressing the power key**: This option will allow you to end a call by pressing the power key without turning off the screen.

Call notification pop-ups

This option allows you to have incoming call notifications pop-up on your display if an application is open on the screen.

1. From the main Settings screen, tap **Call**.
2. Tap **Call notification pop-ups** to create a checkmark and activate the feature.

In-call status pop-ups

This option allows you to have in-call status information displayed in a pop-up if an application is open on the screen.

1. From the main Settings screen, tap **Call**.
2. Tap **In-call status pop-ups** to create a checkmark and activate the feature.

Show caller information

This option displays a caller's recent social network activity and the history of your communication with them when a call is received.

1. From the main Settings screen, tap **Call**.
2. Tap **Show caller information** to create a checkmark and activate the feature.

Call alerts

1. From the main Settings screen, tap **Call** ➔ **Call alerts**.
2. Tap the following options to create a checkmark and activate the features:
   - **Vibrate when answered**: enables your phone to vibrate when the called party answers the phone.
   - **Call-end vibration**: enables your phone to vibrate when the call ends.
   - **Call connect tone**: plays a tone when a call is connected.
   - **Minute minder**: beeps twice every minute that you are on a call.
   - **Call end tone**: plays a tone when a call is ended.
   - **Notify during calls**: turns on alarm and message notifications during a call.

Call Accessories

1. From the main Settings screen, tap **Call** ➔ **Call accessories**.
2. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.

- **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
- **Outgoing call conditions**: allows you to make calls even when the device is locked.

Additional settings

1. From the main Settings screen, tap **Call** ➔ **Additional settings**.
2. Tap one of the following options:
   - **Caller ID**: allows you to choose how your Caller ID will be displayed. Select Network default, Hide number, or Show number.
   - **Call forwarding**: allows you to forward your calls to another number.
   - **Auto area code**: allows you to automatically prepend a specific area code to all outbound calls.
   - **Call waiting**: the network service informs you when someone is trying to reach you during another call. Tap to activate.
   - **Auto redial**: automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
   - **Fixed dialing numbers**: allows you to restrict outgoing calls to a limited set of phone numbers.
   - **TTY mode**: allows you to connect your phone and a TTY device via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.
   - **Hearing aids**: allows you to improve the sound quality of your phone when you are using a hearing aid.

Using Fixed Dialing Numbers

Enabling FDN

1. From the main Settings screen, tap **Call** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Tap **Turn on FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**.
   FDN is enabled.
4. To enable FDN after it has been disabled, tap **Turn off FDN**, enter your PIN2 code and tap **OK**.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.
The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the main Settings screen, tap **Call** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

---

1. From the main Settings screen, tap **Call** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Tap **FDN list**.
3. A list of all existing FDN numbers will be displayed.

Ringtones and keypad tones

This option allows you to personalize the sounds you hear when your phone rings and when you press the keypad.

1. From the main Settings screen, tap **Call** ➔ **Ringtones and keypad tones**.
2. Tap **Ringtones**, select a ringtone, and tap **OK**.
3. Tap **Vibrations**, select a vibration type, and tap **OK**.
4. Tap **Vibrate when ringing** to create a checkmark if you want your phone to vibrate when a call is incoming.
5. Tap **Dialing keypad tone** to create a checkmark if you want tones to play when the keypad is pressed.

Personalize call sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From the main Settings screen, tap **Call** ➔ **Personalize call sound**.
2. At the Personalize call sound display, tap one of the following options:
   - **Adapt sound**: Allows you to customize your sounds. Follow the onscreen instructions to set up your personal call sound.
   - **Soft sound**: Plays a softer sound when the other party is in a noisy environment.
   - **Clear sound**: Plays a clearer sound when the other party sounds unclear or muffled.

- **Off**: Turns off your customized call sound and plays the default sounds.

Noise reduction

This option helps to suppress background noise from your side during a call.

- From the main Settings screen, tap **Call** ➔ **Noise reduction** to create a checkmark and enable the feature.

Voicemail service

1. From the main Settings screen, tap **Call** ➔ **Voicemail Service**.

   Voicemail service provided by your carrier is the default.

2. Tap **My carrier** to remove the carrier Voicemail service.

Voicemail settings

You can view or modify your voicemail number from this menu.

1. From the main Settings screen, tap **Call** ➔ **Voicemail settings**.
2. Tap the **Voice mail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.
3. Tap **OK**.

Sound

This option allows you select your default ringtone that you receive whenever you get a call.

1. From the main Settings screen, tap **Call** ➔ **Sound**.
2. Tap a ringtone to hear it played.
3. Select a ringtone and tap **OK**.

Vibrate

This option allows you turn on vibration when you receive a call.

1. From the main Settings screen, tap **Call**.
2. Tap **Vibrate** to create a checkmark and activate the Vibrate feature.

Contacts

To modify the settings for your contacts, follow these steps:

1. From the main Settings screen, tap **Contacts**.
2. The following options are available:
   - **Import/Export**: Allows you to move contacts to or from your memory card or USB storage.
   - **Contacts to display**: Allows you to choose to display All contacts, those on your Device, SIM card, Samsung account, Gmail, or only display contacts that are part of a Customized list.
   - **Swipe to call or send msgs**: Allows you to call or message by swiping the contact to the left (to message) or to the right (to call).
   - **Only contacts with phones**: Allows you to only display contacts that have phone numbers.
   - **Sort by**: Allows you to sort by First name or Last name.
   - **Display contacts by**: Allows you to sort by First name first or Last name first.
   - **Service numbers**: Lists the currently available service numbers.
   - **Send contact information**: Allows you to send all or individual contacts via Bluetooth in the form of namecards. Tap Export settings and make a selection.
   - **Accounts**: Alows you to add and manage your Samsung, ChatON, Google, LDAP (Lightweight Directory Access Protocol), and Microsoft Exchange ActiveSync accounts. Tap Add account and then follow the onscreen instructions.
   - **Contacts**: Allows you to access the Contacts list so you can sync your contacts.

Email

The Email settings allow you to customize your Email application.

1. Set up an email account if you haven't already done so. For more information, refer to *"Email" on page 100.*
2. From the main Settings screen, tap **Email**.

Managing your Email accounts

1. From the main Settings screen, tap **Email** ➔ **Manage accounts**.

   All of your Email accounts are listed.
2. Tap an account to modify the settings for that account.

Note: The settings may be different depending on the type of email account.

3. Tap **More settings** for additional options.

General Email Settings

1. From the main Settings screen, tap **Email**.
2. Tap **Display**.

   The following options are available:

   - **Auto fit content**: Shrink your email content to fit the screen.
   - **Message preview line**: Set the number of lines that are shown in the email preview.
   - **Title line in list**: Set the title line to the Email Subject or the Sender.
   - **Hide checkboxes**: Hide the checkboxes that are displayed in your email list.
3. Tap **Auto advance**. Auto Advance allows you to assign an action after an email is deleted. Choose from: Next email, Previous email, or Email list
4. Tap **Priority sender settings**.

   The following options are available:

   - **Set as the default folder**: Shows the priority sender inbox whenever you open the Email app.
   - **Email notifications**: Activates the email notification icon to appear within the Notifications area of the status bar when a new email (Gmail, etc.) is received.
   - **Notification sound**: Plays a selected ringtone or sound file when a new email message is received.
   - **Vibrate**: Activates a vibration when a new email message is received.
5. Tap **Spam addresses**.
6. Tap to add an Email address to your Spam folder.
7. Tap **Delay email sending** to delay the sending of emails.
8. Tap **Set length of delay** to set the delay time. You can set the delay from 3 up to 30 seconds. This will give you time to cancel the sending of an email if needed.

Gallery

This section allows you to modify settings associated with using your Gallery.

1. From the main Settings screen, tap **Gallery**.
2. The following options are available:

- **Sync only via Wi-Fi**: Select this option if you only want to sync pictures and videos when you are connected to a Wi-Fi network.
- **Filter by**: Allows you to filter your Gallery when searching for certain types of picture or videos. Select an option to make a checkmark.
- **Tag buddy**: Allows you to tag your pictures or videos by Location, Category, or Tags. Touch and move the slider to the right to activate the feature

.
- **Face tag**: Allows you to tag your pictures or videos when a face is present.

3. Tap ➔ **Add account** to add a Samsung, Facebook, or Google account.

Internet

This section allows you to modify settings associated with using your web browser.

1. From the main Settings screen, tap **Internet**.
2. Tap **Account** to sign on to your Samsung account if you have not already done so. You will need to do this if If you want to sync your bookmarks and open pages with other devices. For more information, refer to *"Creating a Samsung Account" on page 13.*
3. The following settings are available for modification:
   - **Set homepage**: Sets the current home page for the Web browser.
   - **Auto fill forms**: Allows you to enter text to be used in your web profile. Tap Add profile, then enter text for the Web form auto fill.
   - **Privacy:**
     - **Suggest search terms and Web addresses** displays predictions of related queries and popular websites in the address bar as you type.
     - **Preload available links** allows you improve performance when loading pages.

- **Remember form data** allows the device to store data from any previously filled out forms. Remove the checkmark to disable this function.
- **Remember passwords** stores usernames and passwords for visited sites. Remove the checkmark to disable this function.
- **Delete personal data** allows you to delete all personal data such as Browsing history, Cache, Cookies and site data, Passwords, Auto-fill data, and Location access.

• **Screen and text:**

- **Text scaling** allows you to preview the text size, scale the text size using a slider bar, set the zoom amount on double tap, and minimize the font size using a slider bar.
- **Force zoom**: allows you to override the website's request to control zoom.
- **Text encoding** adjusts the current text encoding.
- **Full screen** allows you to use Fullscreen mode to hide the status bar.
- **Text booster** allows you to view PC websites easily by boosting the text size. The layout may change as a result.

• **Content settings:**

- **Accept cookies**: Allows sites, that require cookies, to save and read cookies from your device.
- **Turn on location**: Allows websites to request access to your location.
- **Turn on JavaScript**: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
- **Block pop-ups**: Prevents popup advertisement or windows from appearing onscreen. Remove the checkmark to disable this function.
- **Default storage**: Allows you to set your default storage to Device or Memory Card.
- **Website settings**: View advanced settings for individual websites.
- **Turn on notifications**: Allows website notifications. Select Always on, On demand, or Off.
- **Clear notifications**: Deletes website notification access information.
- **Reset settings**: Restores all settings to default.

- **Bandwidth management:**
  - **Preload webpages**: Allows the browser to preload pages in the background. You can set to Always, Only on Wi-Fi, and Never.
  - **Load images**: Allows web page images to be loaded along with the other text components of a loaded website.
  - **Open pages in overview**: Displays an overview of newly opened web pages.

Messages

This section allows you to modify settings associated with using the default Messaging application.

For more information, refer to *"Messaging Settings" on page 75.*

S Voice

This section allows you to modify settings associated with the S Voice app.

For information on the S Voice app, see *"S Voice"* on page 121.

1. From the main Settings screen, tap **S Voice**.
2. The following options are available:
   - **Language**: Set your default language for S Voice.
   - **Hide offensive words**: Have potentially offensive words replaced with asterisks.
   - **About**: Displays information about the S Voice app including the Terms of Service and the Privacy Policy.
   - **Open via the home key**: Allows you to open S Voice by double pressing the home key.
   - **Voice wake-up**: Customize your wake-up command for S Voice.
   - **Auto start speakerphone**: Automatically turns on the speaker when using S Voice to make a call.
   - **Show body of message**: Allows you to also see the message content whenever a new message arrives.

- **Check missed events**: Allows you to see your missed events whenever you open the S Voice app.
- **Personal briefing**: Allows you to receive a voice briefing of your schedule whenever you open the S Voice app.
- **Home address**: Allows you to enter your home address to be used in S Voice.
- **Log in to Facebook**: A shortcut to log in to your Facebook account.
- **Log in to Twitter**: A shortcut to log in to your Twitter account.

Sign Up Now

Customize your Samsung device experience

- Activate product warranty
- Access to a personalized My Samsung Mobile account
- No monthly fees

Get More

- Latest info on promotions, events and special offers on related products
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